

L Number	Hits	Search Text	DB	Time stamp
1	4445	aspartame	USPAT; EPO; JPO; DERWENT	2001/12/05 06:35
2	3201	oxazolidinone	USPAT; EPO; JPO; DERWENT	2001/12/05 06:35
3	13	aspartame and oxazolidinone	USPAT; EPO; JPO; DERWENT	2001/12/05 06:49
4	48339	toluenesulfon\$	USPAT; EPO; JPO; DERWENT	2001/12/05 08:09
6	40265	hexafl\$	USPAT; EPO; JPO; DERWENT	2001/12/05 06:47
7	0	((aspartame and oxazolidinone) and toluenesulfon\$) and hexafl\$	USPAT; EPO; JPO; DERWENT	2001/12/05 06:39
5	2	(aspartame and oxazolidinone) and toluenesulfon\$	USPAT; EPO; JPO; DERWENT	2001/12/05 06:39
8	1	(aspartame and oxazolidinone) and hexafl\$	USPAT; EPO; JPO; DERWENT	2001/12/05 06:47
9	3	4730076.pn.	USPAT; EPO; JPO; DERWENT	2001/12/05 06:49
11	275	560/40.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:10
12	626	560/41.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:09
14	8	oxazolidinone and 560/41.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:10
13	7	oxazolidinone and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:10
15	46759	acetal or ketal	USPAT; EPO; JPO; DERWENT	2001/12/05 08:11
16	348	oxazolidinone and (acetal or ketal)	USPAT; EPO; JPO; DERWENT	2001/12/05 08:11
17	47	hexafl\$ and (oxazolidinone and (acetal or ketal))	USPAT; EPO; JPO; DERWENT	2001/12/05 08:11
18	43	neotame	USPAT; EPO; JPO; DERWENT	2001/12/05 08:15
19	0	oxazolidinone and neotame	USPAT; EPO; JPO; DERWENT	2001/12/05 08:15
20	1	hexafl\$ and neotame	USPAT; EPO; JPO; DERWENT	2001/12/05 08:15

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	4445	aspartame	USPAT ; EPO; JPO; DERWE NT	2001/12/05 06:35		
2	BRS	L2	3201	oxazolidinone	USPAT ; EPO; JPO; DERWE NT	2001/12/05 06:35		
3	BRS	L3	13	aspartame and oxazolidinone	USPAT ; EPO; JPO; DERWE NT	2001/12/05 06:49		
4	BRS	L4	48339	toluenesulfon\$	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:09		
5	BRS	L6	40265	hexafl\$	USPAT ; EPO; JPO; DERWE NT	2001/12/05 06:47		Truncation Overflow. Return string from Server is: 5`0`0`HEX
6	BRS	L7	0	15 and 16	USPAT ; EPO; JPO; DERWE NT	2001/12/05 06:39		
7	BRS	L5	2	13 and 14	USPAT ; EPO; JPO; DERWE NT	2001/12/05 06:39		
8	BRS	L8	1	13 and 16	USPAT ; EPO; JPO; DERWE NT	2001/12/05 06:47		
9	BRS	L9	3	4730076.pn.	USPAT ; EPO; JPO; DERWE NT	2001/12/05 06:49		
10	BRS	L11	275	560/40.ccls.	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:10		

	Err ors
1	0
2	0
3	0
4	0
5	1
6	0
7	0
8	0
9	0
10	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
11	BRS	L12	626	560/41.ccls.	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:09		
12	BRS	L14	8	12 and 112	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:10		
13	BRS	L13	7	12 and 111	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:10		
14	BRS	L15	46759	acetal or ketal	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:11		
15	BRS	L16	348	12 and 115	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:11		
16	BRS	L17	47	16 and 116	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:11		
17	BRS	L18	43	neotame	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:15		
18	BRS	L19	0	12 and 118	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:15		
19	BRS	L20	1	16 and 118	USPAT ; EPO; JPO; DERWE NT	2001/12/05 08:15		

	Err ors
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0

C-C bond] are prepd. by reaction of 5-alkoxy-2(3H)-oxazolones II (R1-R3 = same as above) with R4OR5 (R4, R5 = same as above) in the presence of catalysts. .alpha.-**Amino acid** esters R1NHCR2R4CO2R3 or R1NHCR2R4CO2R5 (R1-R5 = same as above), useful for pharmaceuticals, agrochems., or their intermediates, are prepd. by hydrolysis of I in the presence of protonic acid. Reaction of 3-diphenylmethyl-5-methoxy-2(3H)-oxazolone with benzaldehyde di-Me **acetal** in CH2Cl2 the presence of trimethylsilyl triflate gave (4R,1'S), (4S,1'R)-3-diphenylmethyl-4-(1-methoxy-1-phenylmethyl)-5,5-dimethoxy-2-**oxazolidinone**, which was hydrolyzed in aq. HCl/MeOH to give N-diphenylmethyl-.beta.-methoxyphenylalanine Me ester.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

19.96

20.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.59

-0.59

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:22:41 ON 05 DEC 2001

Connecting via Winsock to STN

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content

NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN
 NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
 ENERGY, INSPEC
 NEWS 20 Feb 13 CANCERLIT is no longer being updated
 NEWS 21 Feb 24 METADEX enhancements
 NEWS 22 Feb 24 PCTGEN now available on STN
 NEWS 23 Feb 24 TEMA now available on STN
 NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
 NEWS 25 Feb 26 PCTFULL now contains images
 NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 27 Mar 19 APOLLIT offering free connect time in April 2003
 NEWS 28 Mar 20 EVENTLINE will be removed from STN
 NEWS 29 Mar 24 PATDPAFULL now available on STN
 NEWS 30 Mar 24 Additional information for trade-named substances without
 structures available in REGISTRY
 NEWS 31 Apr 11 Display formats in DGENE enhanced
 NEWS 32 Apr 14 MEDLINE Reload
 NEWS 33 Apr 17 Polymer searching in REGISTRY enhanced
 NEWS 34 Apr 21 Indexing from 1947 to 1956 being added to records in
 CA/CAPLUS
 NEWS 35 Apr 21 New current-awareness alert (SDI) frequency in
 WPIDS/WPINDEX/WPIX
 NEWS 36 Apr 28 RDISCLOSURE now available on STN

 NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
 MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
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 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

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STRUCTURE FILE UPDATES: 28 APR 2003 HIGHEST RN 507219-44-5
DICTIONARY FILE UPDATES: 28 APR 2003 HIGHEST RN 507219-44-5

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	0.61

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003
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FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> oxazolidinone

	5136 OXAZOLIDINONE
	1679 OXAZOLIDINONES
L1	5542 OXAZOLIDINONE
	(OXAZOLIDINONE OR OXAZOLIDINONES)

=> aldehyde

	91997 ALDEHYDE
	88061 ALDEHYDES
L2	143392 ALDEHYDE
	(ALDEHYDE OR ALDEHYDES)

=> amino acid

917541 AMINO
42 AMINOS
917558 AMINO
(AMINO OR AMINOS)
3616891 ACID
1374278 ACIDS
4078151 ACID
(ACID OR ACIDS)
L3 580921 AMINO ACID
(AMINO(W)ACID)

=> 11 and 13

L4 427 L1 AND L3

=> 12 and 14

L5 50 L2 AND L4

=> d 15 30-50 ti

L5 ANSWER 30 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Prodrugs of peptides. 9. Bioreversible N-.alpha.-hydroxyalkylation of the peptide bond to effect protection against carboxypeptidase or other proteolytic enzymes

L5 ANSWER 31 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI 5-(Aminomethyl)-3-aryl-2-oxazolidinones. A novel class of mechanism-based inactivators of monoamine oxidase B

L5 ANSWER 32 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI N-(9-phenylfluoren-9-yl)-.alpha.-amino ketones and N-(9-phenylfluoren-9-yl)-.alpha.-amino **aldehydes** as chiral educts for the synthesis of optically pure 4-alkyl-3-hydroxy-2-**amino acids**. Synthesis of the C-9 **amino acid** MeBmt present in cyclosporin

L5 ANSWER 33 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Behavior of **amino acids** and aliphatic **aldehydes** in dipolar aprotic solvents: formation and **oxazolidinones**

L5 ANSWER 34 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI **Amino acids** and peptides. 70. Optically active .alpha.-**amino acids**, N-Boc-aminoaldehydes and .alpha.-amino-.beta.-hydroxy acids from 2,3-epoxy alcohols

L5 ANSWER 35 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI A multiple-stage process for removal of nitrogen oxides and sulfur oxides from flue gases while minimizing the formation of other pollutants

L5 ANSWER 36 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI X:Y-ZH systems as potential 1,3-dipoles. Part 12. Mechanism of formation of azomethine ylides via the decarboxylative route from .alpha.-**amino acids**

L5 ANSWER 37 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI New entry to syn-.beta.-hydroxy-.alpha.-**amino acids**

L5 ANSWER 38 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Prodrugs of peptides. III. 5-**Oxazolidinones** as bioreversible derivatives for the .alpha.-amidocarboxy moiety in peptides

L5 ANSWER 39 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Simple generation of nonstabilized azomethine ylides through decarboxylative condensation of .alpha.-**amino acids** with carbonyl compounds via 5-**oxazolidinone** intermediates

L5 ANSWER 40 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Addition of chiral glycine, methionine, and vinylglycine enolate derivatives to **aldehydes** and ketones in the preparation of enantiomerically pure .alpha.-amino-.beta.-hydroxy acids

L5 ANSWER 41 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Synthesis of the cyclic hexapeptide echinocandin D. New approaches to the asymmetric synthesis of .beta.-hydroxy .alpha.-**amino acids**

L5 ANSWER 42 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Renin inhibitors. Dipeptide analogs of angiotensinogen incorporating transition-state, nonpeptidic replacements at the scissile bond

L5 ANSWER 43 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI A short synthesis of enantiomerically pure (2S,3R,4R,6E)-3-hydroxy-4-methyl-2-(methylamino)-6-octenoic acid, the unusual C9 **amino acid** found in the immunosuppressive peptide cyclosporine

L5 ANSWER 44 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Asymmetric glycine enolate aldol reactions: synthesis of cyclosporin's unusual **amino acid**, MeBmt

L5 ANSWER 45 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Chiral, N-protected, N-substituted .alpha.-**amino acids**

L5 ANSWER 46 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Optical activity of lactones and lactams - III. Circular dichroism spectra of 5-**oxazolidinones**

L5 ANSWER 47 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Synthesis of 9-fluorenylmethyloxycarbonyl-protected N-alkyl **amino acids** by reduction of **oxazolidinones**

L5 ANSWER 48 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Stereospecific synthesis of .alpha.-amino-.beta.-hydroxy acids

L5 ANSWER 49 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Peptide alkaloids. IX. Determination of the relative configuration of the .beta.-hydroxyleucine fragment of lasiodine B by stereospecific synthesis of threo- and erythro-.beta.-(p-tolyoxy)leucines

L5 ANSWER 50 OF 50 CAPLUS COPYRIGHT 2003 ACS

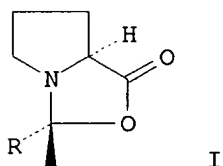
TI Azomethine chemistry. II. Formation of peptides from oxazolidin-5-ones

=> d 15 33,45 ti fbib abs

L5 ANSWER 33 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Behavior of **amino acids** and aliphatic

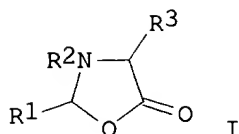
aldehydes in dipolar aprotic solvents: formation and
oxazolidinones
 AN 1990:139763 CAPLUS
 DN 112:139763
 TI Behavior of **amino acids** and aliphatic
aldehydes in dipolar aprotic solvents: formation and
oxazolidinones
 AU Orsini, F.; Pelizzoni, F.; Forte, M.; Sisti, M.; Bombieri, G.; Benetollo, F.
 CS Cent. Stud. Sost. Org. Nat., Univ. Milan, Milan, Italy
 SO Journal of Heterocyclic Chemistry (1989), 26(3), 837-41
 CODEN: JHTCAD; ISSN: 0022-152X
 DT Journal
 LA English
 OS CASREACT 112:139763
 GI



AB Reactions of aliph. branched **aldehydes** with proline in DMSO or acetonitrile soln. afford oxazolidin-5-ones with high diastereoselection. Thus, the cyclocondensation of proline with Me₂CHCHO gave 1-aza-3-oxabicyclo[3.3.0]octan-4-one I (R = CHMe₂). Linear **aldehydes** afford aldolic/crotonic condensation products; with short reaction times, the presence of **oxazolidinones** can be detected in the PMR spectra. Acyclic **amino acids** and branched **aldehydes** yield a reaction mixt. the PMR and IR spectra of which give evidence for iminic-**oxazolidinone** equil. The structure of (2R,5S)-2-trichloromethyl-1-aza-3-oxabicyclo[3.3.0]octan-4-one I (R = CCl₃) has been confirmed by x-ray diffraction anal.

L5 ANSWER 45 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI Chiral, N-protected, N-substituted .alpha.-**amino acids**
 AN 1986:19819 CAPLUS
 DN 104:19819
 TI Chiral, N-protected, N-substituted .alpha.-**amino acids**
 IN Freidinger, Roger M.
 PA Merck and Co., Inc., USA
 SO U.S., 5 pp. Cont.-in-part of U.S. Ser. No. 330,634, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4535167	A	19850813	US 1983-497301	19830523
				US 1981-330634	19811214
OS	CASREACT 104:19819				
GI					



AB Title **amino acid** derivs. $R_1CH_2NR_2CHR_3CO_2H$ [R_1 = alkyl, cycloalkyl, $PhCH_2$, Ph, phenylalkyl, carboxyalkyl, carbalkoxyalkyl, aminoalkyl; R_2 = 9-fluorenylmethoxycarbonyl, CF_3CO , 4-MeC₆H₄SO₂CH₂CH₂O₂C, $PhCH_2O_2C$ (Z), CO₂CH₂C₆H₄Cl-2, CO₂CH₂CH₂SO₂Me, CO₂CMe₂CH₂CN; R_3 = alkyl, hydroxy-, mercapto-, amino, or (alkylthio)alkyl Ph, $PhCH_2$, phenylalkyl, 4-HOC₆H₄CH₂, indolyl-, phthalimido-, imidazolyl-, benzyloxy-, guanidino-, or carboxyalkyl] were prepd. by the reductive cleavage of **oxazolidinones** I. Thus, ZNHCH₂CO₂H was cyclized with HCHO and 4-MeC₆H₄SO₃H to give I ($R_1 = R_3 = H$, $R_2 = Z$), which was cleaved by Et₃SiH/ CF_3CO_2H to give ZNMeCH₂CO₂H.

=> d 15 10-29 ti

L5 ANSWER 10 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI N-Hydroxymethyl group for configurationally stable N-alkoxycarbonyl .alpha.-amino **aldehydes**

L5 ANSWER 11 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Preparation of peptidyl heterocycles useful in the treatment of thrombin related disorders

L5 ANSWER 12 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Preparation of peptidyl heterocycles useful in the treatment of thrombin related disorders

L5 ANSWER 13 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI .alpha.-**Amino acids** and N-protected .alpha.-amino **aldehydes** by stereoselective additions of a chiral vinylolithium reagent to sulfonyl imines

L5 ANSWER 14 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI 14C-labeling of a novel atypical .beta.-adrenoceptor agonist, SM-11044

L5 ANSWER 15 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Stereoselective synthesis of anti-.beta.-amino-.alpha.-hydroxy acid derivatives using nucleophilic epoxidation of 1-arylthio-1-nitroalkenes

L5 ANSWER 16 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Enantioselective synthesis of CF₃-substituted allo-threonines and of two fluorine containing analogs of MeBmt.

L5 ANSWER 17 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Total Synthesis of Bleomycin A₂ and Related Agents. 1. Synthesis and DNA Binding Properties of the Extended C-Terminus: Tripeptide S, Tetrapeptide S, Pentapeptide S, and Related Agents

L5 ANSWER 18 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI A convenient diastereoselective synthesis of **oxazolidinone**: approach to unusual **amino acid** statine

L5 ANSWER 19 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI Asymmetric synthesis of .alpha.-alkyl-.alpha. **amino acids** from chromium-carbene-complex-derived .beta.-lactams

L5 ANSWER 20 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI Preparation of cyclic peptide analogs as renin inhibitors

L5 ANSWER 21 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI A formal synthesis of a novel immunosuppressant ISP-1: stereocontrolled palladium(0)-catalyzed cis-hydroxyamination of carbohydrate derived vinyl epoxide

L5 ANSWER 22 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI Asymmetric synthesis of chiral cyclic **amino acids** by Diels-Alder reactions of (2S)- and (2R)-4-methyleneoxazolidin-5-ones

L5 ANSWER 23 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI An effective synthesis of scalemic 3,5,5-trisubstituted pyrrolin-4-ones

L5 ANSWER 24 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI Synthesis of carbon-linked glycopeptides as stable glycopeptide models

L5 ANSWER 25 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI Synthesis of hypusine and other polyamines using dibenzyltriazones for amino protection

L5 ANSWER 26 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI Synthesis of L-.beta.-hydroxy **amino acids** using serine hydroxymethyltransferase

L5 ANSWER 27 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI Benzyl (R)- and (S)-2-tert-butyl-5-oxooxazolidine-3-carboxylate for convenient preparation of D- and L-threonine analogs from **aldehydes**

L5 ANSWER 28 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI A stereoselective synthesis of MeBmt employing a new chiral glycine enolate derivative

L5 ANSWER 29 OF 50 CAPLUS COPYRIGHT 2003 ACS
 TI Design and synthesis of P2-P1'-linked macrocyclic human renin inhibitors

=> aspartic

L6 58834 ASPARTIC

=> 15 and 16

L7 0 L5 AND L6

=> neotame

L8 95 NEOTAME

=> d his

(FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003

L1 5542 OXAZOLIDINONE
 L2 143392 ALDEHYDE
 L3 580921 AMINO ACID
 L4 427 L1 AND L3
 L5 50 L2 AND L4
 L6 58834 ASPARTIC
 L7 0 L5 AND L6
 L8 95 NEOTAME

=> 18 and 11

L9 1 L8 AND L1

=> d 19 ti fbib abs

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 TI Synthesis of N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine
 1-methyl ester using **oxazolidinone** derivatives
 AN 2001:868483 CAPLUS
 DN 135:372001
 TI Synthesis of N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine
 1-methyl ester using **oxazolidinone** derivatives
 IN Prakash, Indra
 PA The NutraSweet Company, USA
 SO PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001090138	A2	20011129	WO 2001-US16144	20010518
	WO 2001090138	A3	20020321		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
				US 2000-205694PP	20000519
	US 2002013490	A1	20020131	US 2001-859439	20010518
				US 2000-205694PP	20000519
	EP 1284991	A2	20030226	EP 2001-939127	20010518
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
				US 2000-205694PP	20000519
				WO 2001-US16144W	20010518

OS CASREACT 135:372001; MARPAT 135:372001

AB A process for synthesizing

N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine 1-Me ester (**neotame**) comprises the steps of: (a) reacting an admixt. of N-(3,3-dimethylbutyl)-L-aspartic acid and a carbonyl compd. or an activated carbonyl compd. in a first solvent to produce an **oxazolidinone** deriv. and (b) reacting an admixt. of the **oxazolidinone** deriv. and L-phenylalanine or L-phenylalanine Me ester in a second solvent to produce **neotame**. Thus, treatment of N-(3,3-dimethylbutyl)-L-aspartic acid with hexafluoroacetone

in anhyd. DMSO afforded 4-carbomethoxy-3-N-(3,3-dimethylbutyl)-2,2-bis(trifluoromethyl)oxazolidin-5-one, which reacted with L-phenylalanine Me ester in anhyd. di-Et ether to give **neotame**.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	41.32	41.93
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-1.95

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:03:50 ON 30 APR 2003

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LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:25:56 ON 30 APR 2003
FILE 'CAPLUS' ENTERED AT 08:25:56 ON 30 APR 2003
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	41.32	41.93
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-1.95

=> d his

(FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003

L1 5542 OXAZOLIDINONE
L2 143392 ALDEHYDE
L3 580921 AMINO ACID
L4 427 L1 AND L3
L5 50 L2 AND L4
L6 58834 ASPARTIC
L7 0 L5 AND L6
L8 95 NEOTAME
L9 1 L8 AND L1

=> l1 and l6

L10 45 L1 AND L6

=> n-substituted

2567884 N

422469 SUBSTITUTED

3 SUBSTITUTEDS

422470 SUBSTITUTED

(SUBSTITUTED OR SUBSTITUTEDS)

L11 17521 N-SUBSTITUTED

(N(W) SUBSTITUTED)

=> 16(1)111

L12 91 L6(L) L11

=> 112 and 11

L13 0 L12 AND L1

=> d 110 30-45 ti

L10 ANSWER 30 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI Regiospecific reactions with .omega.-carboxy .alpha.-amino acids. A simple synthesis of aspartame

L10 ANSWER 31 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI Synthesis of .beta.- or .gamma.-fluorenylmethyl esters of respectively N.alpha.-Boc-L-**aspartic** acid and N.alpha.-Boc-L-glutamic acid

L10 ANSWER 32 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI A convenient differential protection strategy for functional group manipulation of **aspartic** and glutamic acids

L10 ANSWER 33 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI Novel non-basic bioisostere of histidine synthesized from L-**aspartic** acid

L10 ANSWER 34 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI .alpha.-Alkylation of acyclic amino acids with self-reproduction of the center of chirality. A new route to (S)-(+)-.alpha.-alkylated **aspartic** acids

L10 ANSWER 35 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI A new route to 3-alkyl-substituted **aspartic** acid derivatives

L10 ANSWER 36 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI Synthesis of N2-protected L-2,3-diaminopropanoic acids

L10 ANSWER 37 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI Mass spectra of .alpha.-amino acid **oxazolidinones**

L10 ANSWER 38 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI .alpha.-L-Asparagyl-L-amino acid alkyl esters

L10 ANSWER 39 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI 5-Oxooxazolidine-4-alkanoate

L10 ANSWER 40 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI Peptides. I. Selective protection of .alpha.- or side-chain carboxyl groups of **aspartic** and glutamic acid. A facile synthesis of .beta.-aspartyl and .gamma.-glutamyl peptides

L10 ANSWER 41 OF 45 CAPLUS COPYRIGHT 2003 ACS
 TI Pharmaceutical compositions enhancing the learning rate and memory level

L10 ANSWER 42 OF 45 CAPLUS COPYRIGHT 2003 ACS
 TI Oxazolidone derivatives of hydroxyamino acids. V. New synthesis of threo- and erythro-.beta.-hydroxy-DL-**aspartic** acids

L10 ANSWER 43 OF 45 CAPLUS COPYRIGHT 2003 ACS
 TI Infrared spectra of some compounds of pharmaceutical interest

L10 ANSWER 44 OF 45 CAPLUS COPYRIGHT 2003 ACS
 TI Peptide syntheses by the oxazolidone method. IV

L10 ANSWER 45 OF 45 CAPLUS COPYRIGHT 2003 ACS
 TI Skin-initiating action and lung carcinogenesis by derivatives of urethan (ethyl carbamate) and related compounds

=> d 110 38, 39,44 ti fbib abs

L10 ANSWER 38 OF 45 CAPLUS COPYRIGHT 2003 ACS
 TI .alpha.-L-Asparagyl-L-amino acid alkyl esters
 AN 1974:521026 CAPLUS
 DN 81:121026
 TI .alpha.-L-Asparagyl-L-amino acid alkyl esters
 IN Nagase, Tsuneyuki; Masuko, Fujio
 PA Sumitomo Chemical Co., Ltd.
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 49035352	A2	19740401	JP 1972-78560	19720804
				JP 1972-78560	19720804

GI For diagram(s), see printed CA Issue.

AB $\text{RNHCH}(\text{CH}_2\text{CO}_2\text{H})\text{CONHCH}[(\text{CH}_2)_n\text{R}_2]\text{CO}_2\text{R}_1$ I (R = H; R₁ = alkyl; R₂ = Ph, cyclohexyl or alkyl, OH substituted; n = 0-5) were prepd. by condensation of the **oxazolidinone** deriv. (II) with $\text{H}_2\text{NCH}[(\text{CH}_2)_n\text{R}_2]\text{CO}_2\text{R}_1$ or its salts to give I (R = e.g., PhCH_2OCO), followed by redn. Thus, crude II (R = PhCH_2OCO), prepd. from N-carbobenzoxy-L-**aspartic** acid (III), was dissolved in DMF and the soln. was stirred with L- $\text{PhCH}_2\text{CH}(\text{NH}_2)\text{CO}_2\text{Me}$ and Et_3N 6 hr at 43.degree. to give 63.1% I (R = PhCH_2OCO , R₁ = Me, R₂ = Ph, n = 1), which on hydrogenation with Pd black gave 61.3% I (R = H, R₁ = Me, R₂ = Ph, n = 1). Similarly prepd. were I (R = H, n = 1) (R₁, R₂, % yield given): Me, cyclohexyl, 70.55; Et, Ph, 71.48; Me, p-HOC₆H₄, 69.87. (All yields were based on III). I are useful as sweetening materials.

L10 ANSWER 39 OF 45 CAPLUS COPYRIGHT 2003 ACS
 TI 5-Oxooxazolidine-4-alkanoate
 AN 1972:488478 CAPLUS
 DN 77:88478
 TI 5-Oxooxazolidine-4-alkanoate
 IN Ito, Masumi

PA Fujisawa Pharmaceutical Co., Ltd.
SO Jpn. Tokkyo Koho, 4 pp.
CODEN: JAXXAD
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 47021422	B4	19720616	JP 1967-57413	19670907

GI For diagram(s), see printed CA Issue.

AB The title products (I) were prepd. E.g., 5.35 g N-benzyloxycarbonyl-L-**aspartic** acid was heated with paraformaldehyde, AcOH, Ac₂O, and SOCl₂ and the resulting sirupy 3-(benzyloxycarbonyl)-5-oxooxazolidine-4-acetic acid treated with isobutene to give 4.9 g I (n = 1). Similarly prepd. was I (n = 2).

L10 ANSWER 44 OF 45 CAPLUS COPYRIGHT 2003 ACS

TI Peptide syntheses by the oxazolidone method. IV

AN 1962:417157 CAPLUS

DN 57:17157

OREF 57:3558a-i, 3559a-d

TI Peptide syntheses by the oxazolidone method. IV

AU Micheel, Fritz; Haneke, Horst

CS Univ. Muenster, Germany

SO Ber. (1962), 95, 1009-15

DT Journal

LA Unavailable

AB cf. CA 53, 21692e. A series of peptides was prepd. from L-glutamic acid, L-**aspartic** acid, L-serine, glycine, L-lysine, L-cystine, and DL-methionine by the oxazolidone method. The optical activity of the products is fully retained, except in the case of the cystine and serine moieties which can undergo to a slight extent racemization; the racemization can, however, be avoided by maintaining optimal reaction conditions. N-(p-Tosyl)-L-**aspartic** acid (I) (1.0 g.) in 50 cc. hot AcOH treated with 500 mg. trioxane and 1/4; of a mixt. of 400 mg.

Ac₂O,
3 8-10 drops SOCl₂ in 10 cc. AcOH, heated to soln., the mixt. heated about

hrs. until the rotation [α]_D²³ 4.80.degree. is reached while being treated dropwise with the remainder of the Ac₂O-SOCl₂-AcOH mixt., and evapd. in vacuo at 60-70.degree. gave 800 mg. 3-(p-tosyl)-5-oxo-4-carboxymethyloxazolidine (II), m. 130-1.degree. (C₆H₆), [α]_D²² 252.degree. (c 1, Me₂CO). II (200 mg.), 210 mg. PhCH₂NH₂, and 2-3 cc. EtOH heated about 15 min. at 60-70.degree., cooled, and acidified with

10% HCl gave 200 mg. α -benzylamide of I, m. 193.degree. (aq. EtOH), [α]_D²² -30.2.degree. (c 1, MeOH). II (2.0 g.) and 2.0 g. H₂NCH₂CO₂Et in 4-5 cc. EtOH heated 10 min. at 60-70.degree., cooled, treated 1 hr. at room temp. with the calcd. amt. 2N aq. NaOH and an equal vol. MeOH, neutralized with 10% HCl, and evapd., and the residue acidified

with 10% HCl to pH 2-3 gave 1.36 g. N-(p-tosyl)-L-Asp- α -Gly, m. 165.degree. (H₂O), [α]_D²² -22.degree. (c 1, MeOH). N-(p-Tosyl)-L-serine (3.0 g.) in 30 cc. AcOH heated 2.75-3.25 hrs. with frequent shaking with 2 cc. Ac₂O, trioxane, and 7-10 drops SOCl₂ and evapd. in vacuo, and the residual sirup treated 1-2 hrs. with satd. aq. NaHCO₃ and filtered yielded 2.5-2.6 g. cryst. 3-(p-tosyl)-5-oxo-4-acetoxymethyloxazolidine (III), m. 100-1.degree. (C₆H₆), [α]_D²² 177.degree. (c 0.3, AcOH); the aq. NaHCO₃ layer acidified to pH 2-3 with

10% HCl gave 440-50 mg. 3-(p-tosyl)-4-carboxyoxazolidine, m. 150-2.degree.

(50% EtOH), [y.alpha.]22D -145 to -146.degree. (c 0.5, EtOH), -127.degree.

(c 0.3, dioxane). III (300 mg.) and 200 mg. PhCH₂NH₂ heated 10 min. on the steam bath, cooled, treated with about 5 cc. 10% HCl, and filtered gave 280 mg. N-(p-tosyl)-L-serine benzylamide, m. 136-7.degree. (50% EtOH), [y.alpha.]22D 12.degree. (c 0.6, Me₂CO). III (2.0 g.) in 6-8 cc. EtOH treated with 1.3 g. H₂NCH₂CO₂Et, heated 10-15 min. at 70-80.degree., cooled, treated with 9.7 cc. 2N NaOH and 9.7 cc. MeOH, kept 1 hr. at room temp., neutralized with 10% HCl, concd. in vacuo and acidified to pH 2-3 with HCl gave 1.1 g. N-(p-tosyl)-DL-Ser-Gly, m. 157-8.degree. (H₂O). III (1.5 g.) and 2.7 g. di-Et L-glutamate in 5 cc. EtOH heated 15 min. at 70-80.degree., cooled, treated with 1.2 g. NaOH in 15 cc. H₂O and 15 cc. MeOH, kept 1 hr. at room temp., neutralized, and worked up gave 1.5 g. (crude) N-(p-tosyl)-L-Ser-L-Glu, m. 197-8.degree. (H₂O), [y.alpha.]22D 8.degree. (c 0.58, EtOH), 23.degree. (c 0.48, dioxane). N,N'-Di(p-tosyl)-L-cystine (1.0 g.), 300 mg. trioxane, and 50 cc. AcOH heated 3 hrs. on the steam bath with 150 mg. Ac₂O and 4-5 drops SOCl₂,

and

evapd. in vacuo, the cryst. residue treated with aq. NaHCO₃ and filtered, and the residue recrystd. from AcOH gave 600-650 mg.

L-bis[3(p-tosyl-5-oxo-

4-oxazolidinylmethyl] disulfide (IV), m. 176.degree., [y.alpha.]22D 230.degree. (c 0.2, AcOH). IV (0.5 g.), 3 cc. EtOH, and 400 mg. PhCH₂NH₂ heated 15 min. at 70-80.degree. gave in the usual manner 400 mg. N,N'-di(p-tosyl)-L-cystine bis(benzylamide), m. 204.degree. (iso-PrOH), [y.alpha.]22D 118.degree. (c 0.2, dioxane). IV (2.0 g.) and 2.0 g. H₂NCH₂CO₂Et in 5 cc. EtOH heated at 60-70.degree. and kept overnight gave 1.55 g. di-Et N,N'-di(p-tosyl)-L-Cys-di-Gly (V), m. 183-4.degree. (EtOH) [y.alpha.]22D 18-19.degree. (c 0.7, dioxane). V (1.0 g.), 1 cc. 2N NaOH, and 2 cc. MeOH kept 1 hr. at room temp., neutralized, and worked up yielded 730 mg. N,N'-di(p-tosyl)-L-Cys-di-Gly, m. 136.degree. (aq. iso-PrOH), [y.alpha.]22D 144.degree. (c 0.43, EtOH). N-(p-Tosyl)-DL-methionine (2.0 g.) in 30 cc. AcOH heated 3-4 hrs. on the steam bath with 200 cc. Ac₂O, 300 mg. trioxane, and 7 drops SOCl₂ and evapd., and the sirupy residue treated with satd. aq. NaHCO₃ gave 1.34 g. 3-(p-tosyl)-5-oxo-4-(2-methylthioethyl)-oxazolidine (VI), m. 96-7.degree. (iso-PrOH). VI (2.0 g.) and 2.0 g. H₂NCH₂CO₂Et heated at 70-80.degree., sapond. with 10 cc. 2N NaOH and 10 cc. EtOH, kept 1 hr. at room temp., neutralized, and worked up in the usual manner yielded 1.3 g. N-(p-tosyl)-DL-Met-Gly, m. 66-7.degree. (40% EtOH). Bu ester (VII) (1.4 g.) of N.alpha.,N.epsilon.-di(p-tosyl)-DL-lysine (VIII) in the calcd.

vol.

2N NaOH and an equal vol. MeOH kept 1 hr. at room temp. and worked up

gave

VIII, m. 125-30.degree. (unsharp) (50% EtOH). Dry VIII (5.0 g.) in 100 cc. AcOH heated 3 hrs. on the steam bath with 200 mg. trioxane, 300 mg. Ac₂O, and 10 drops SOCl₂ gave 5.3 g. 3-(p-tosyl)-5-oxo-4-[4-(p-tosylamino)butyl]oxazolidine (IX). IX (1.0 g.) and 0.5 g. PhCH₂NH₂ in 10 cc. EtOH heated briefly on the steam bath and worked up in the usual manner yielded 340-5 mg. N.alpha.,N.epsilon.-di(p-tosyl)-L-lysine benzylamide (X), m. 143-4.degree. (C₆H₆), [y.alpha.]22D -10.4.degree. (c

1,

MeOH). X (4.0 g.) and 3.6 g. H₂NCH₂CO₂Et heated 10 min. on the steam bath, sapond. with N NaOH-MeOH, and worked up in the usual manner gave 700-900 mg. N.alpha.,N.epsilon.-di(p-tosyl)-L-Lys-Gly, m. 100-2.degree. with sintering, [y.alpha.]22D -4.degree. (c 1, MeOH). N-(p-Tosyl)-5-oxazolidone (500 mg.), m. 121-2.degree., refluxed 5 hrs. in 10 cc. abs.

EtOH and evapd. in vacuo, and the sirupy residue dissolved in satd. aq. NaHCO₃, acidified to pH 3-4, and filtered gave 500 mg. N-(p-tosyl)-N-ethoxymethylglycine (XI), m. 92-3.degree. (C₆H₆-ligroine). XI (193.8 mg.) heated 4 hrs. in vacuo on the steam bath and cooled gave N-(ptosyl)-5-oxazolidone (XII), m. 120-1.degree. (C₆H₆-ligroine). 4-Me deriv. (XIII) (500 mg.) of XII in 10 cc. EtOH refluxed 10 hrs. and evapd. in vacuo at room temp., the residue dissolved in satd. aq. NaHCO₃ and filtered, and the filtrate acidified with 10% HCl to pH 4 yielded 4.42 g. N-(p-tosyl)N-ethoxymethyl-DL-alanine, m. 58-9.degree. (aq. EtOH), which cyclized in the usual manner gave XIII, m. 105-6.degree. (iso-PrOH).

XIII

with PhCH₂NH₂ yielded in the usual manner 80% N-(p-tosyl)-DL-alanine benzylamide.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

60.22

60.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.91

-3.91

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:30:27 ON 30 APR 2003

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Welcome to STN International! Enter x:

x

Welcome to STN International! Enter x:

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

60.22

60.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.91

-3.91

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

60.22

60.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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-3.91

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DICTIONARY FILE UPDATES: 28 APR 2003 HIGHEST RN 507219-44-5

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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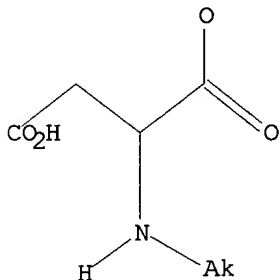
Uploading 09859439 nalkyl apartic acid.str

L14 STRUCTURE UPLOADED

=> d l14

L14 HAS NO ANSWERS

L14 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l14

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss

ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:sam

SAMPLE SEARCH INITIATED 08:34:54 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 12089 TO ITERATE

8.3% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 235200 TO 248360
 PROJECTED ANSWERS: 16097 TO 19685

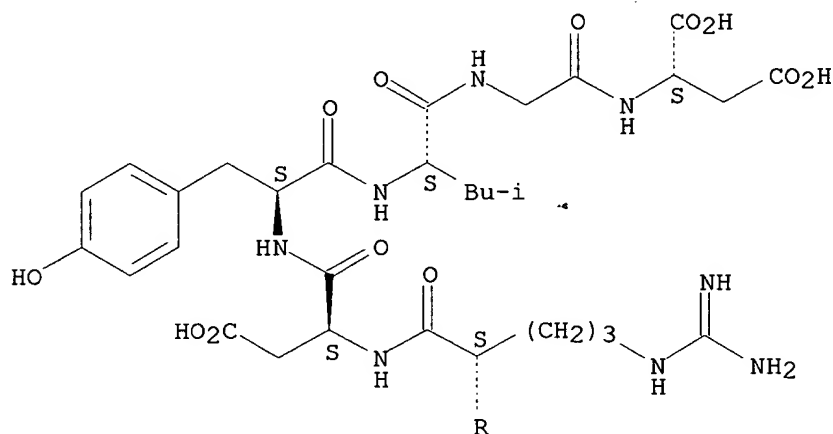
L15 50 SEA SSS SAM L14

=> d scan

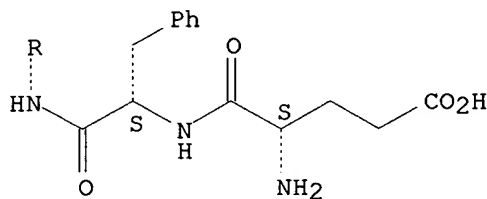
L15 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN L-Aspartic acid, L-.alpha.-glutamyl-L-phenylalanyl-L-arginyl-L-.alpha.-
 aspartyl-L-tyrosyl-L-leucylglycyl- (9CI)
 SQL 8
 MF C45 H63 N11 O16

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> search l14 sss full

FULL SEARCH INITIATED 08:36:03 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 238841 TO ITERATE

91.2% PROCESSED	217769 ITERATIONS	16517 ANSWERS
100.0% PROCESSED	238841 ITERATIONS	17542 ANSWERS

SEARCH TIME: 00.00.24

L16 17542 SEA SSS FUL L14

=>

Uploading 09859439 oxazolidinone generic 2.str

L17 STRUCTURE UPLOADED

=> d 117 sss sam

L17 HAS NO ANSWERS

'SSS SAM' IS NOT A VALID STRUCTURE FORMAT KEYWORD

Structure Formats

SIA ----- Structure Image, Attributes, and map table if it contains data. (Default)

SIM ----- Structure Image.

SAT ----- Structure ATtributes and map table if it contains data.

SCT ----- Structure Connection Table and map table if it contains data.

SDA ----- All Structure Data (image, attributes, connection table and map table if it contains data).

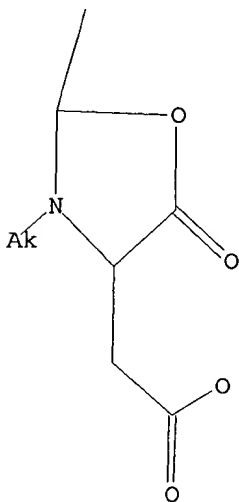
NOS ----- NO Structure data.

ENTER STRUCTURE FORMAT (SIM), NOS:end

=> d 117

L17 HAS NO ANSWERS

L17 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 117 sss sam

SAMPLE SEARCH INITIATED 08:39:05 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 33 TO ITERATE

100.0% PROCESSED 33 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

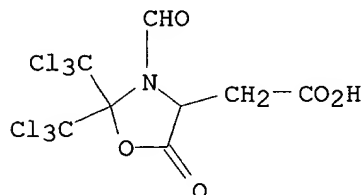
FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
PROJECTED ITERATIONS: 316 TO 1004
PROJECTED ANSWERS: 2 TO 124

L18 2 SEA SSS SAM L17

=> d scan

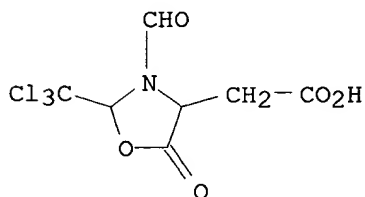
L18 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2,2-bis(trichloromethyl)- (9CI)
MF C8 H5 Cl6 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L18 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2-(trichloromethyl)- (9CI)
MF C7 H6 Cl3 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
151.35	212.18

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-3.91

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FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 118

L19 2 L18

=> d 119 ti fbib abs

L19 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of N-protected aspartame derivatives
AN 2000:43902 CAPLUS
DN 132:64528
TI Preparation of N-protected aspartame derivatives
IN Yang, Guishu; Li, Yan; Chen, Zhiyong; Yu, Zhizhou; Bi, Aiqiao; Jiang, Yaozhong
PA Chengdu Inst. of Organic Chemistry, Chinese Academy of Sciences, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 15 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

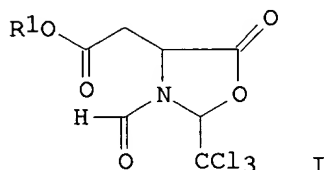
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	CN 1174844	A	19980304	CN 1996-117685	19960828
	CN 1057773	B	20001025		
				CN 1996-117685	19960828

AB The process comprises cyclizing L-aspartic acid with acylating agent and active carbonyl compd. in the presence of acetic acid and acetic anhydride
at 30-100.degree. for 6-30 h, and pptg. with halohydrocarbon to obtain 2-substituted-3-acyl-5-oxo-4-oxazolidineacetic acid, and allowing to react
with L-phenylalanine Me ester or its salt in solvent in the presence of base at 20-100.degree. for 4-30 h. The acylating agent is selected from formic acid, and acetic anhydride; the carbonyl compd. from Cl3CCHO, Br3CCHO, CCl3COCCl3, and CF3COCF3; the solvent from acetate (ester), Et2O, THF, and dioxane; and the base from carboxylate of alkali metal or alk. earth metal, and tertiary amine.

=> d 119.2 ti fbib abs

L19 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of aspartylphenylalanine alkyl esters from
5-oxo-4-oxazolideneacetates and phenylalanine esters
AN 1992:651789 CAPLUS
DN 117:251789
TI Preparation of aspartylphenylalanine alkyl esters from
5-oxo-4-oxazolideneacetates and phenylalanine esters
IN Ascher, Gerd; Ludescher, Hans
PA Biochemie Gesellschaft m.b.H., Austria
SO Austrian, 4 pp.
CODEN: AUXXAK
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	AT 394854	B	19920710	AT 1986-1597	19860612
	AT 8601597	A	19911215		
				AT 1986-1597	19860612
OS	MARPAT 117:251789				
GI					



AB Aspartylphenylalanine lower alkyl esters were prepd. by reaction of oxazolidone I (R1 = H, Me3Si) with a phenylalanine lower alkyl ester followed by deprotection. Thus, I (R1 = H) (prepn. given) and H-Phe-OMe.HCl were stirred 8 h with EtN(CHMe2)2 in CH2Cl2 to give N-formylaspartame, which was stirred with HCl in MeOH to give aspartame.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
11.09	223.27

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.30	-5.21

CA SUBSCRIBER PRICE

FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1
DICTIONARY FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1

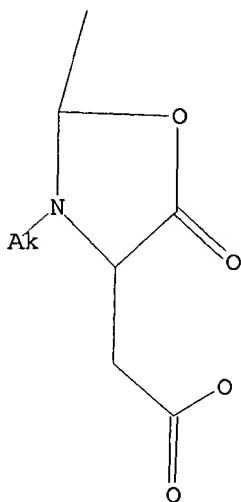
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d l17
L17 HAS NO ANSWERS
L17 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l17 sss full
FULL SEARCH INITIATED 08:49:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 578 TO ITERATE

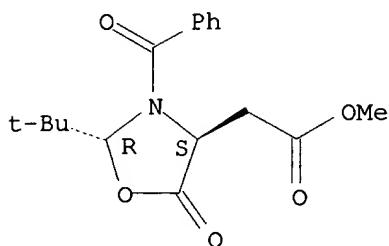
100.0% PROCESSED 578 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.02

L20 9 SEA SSS FUL L17

=> d scan

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-benzoyl-2-(1,1-dimethylethyl)-5-oxo-, methyl
ester, (2R-trans)- (9CI)
MF C17 H21 N O5

Absolute stereochemistry. Rotation (+).

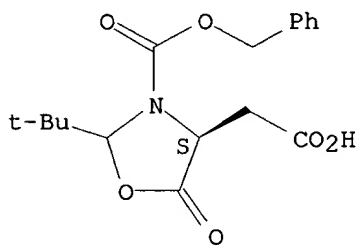


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):9

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 2-(1,1-dimethylethyl)-5-oxo-3-
[(phenylmethoxy)carbonyl]-, (4S)- (9CI)
MF C17 H21 N O6

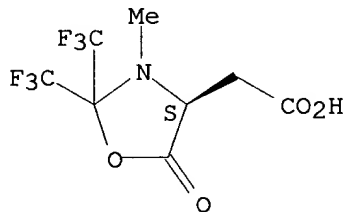
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

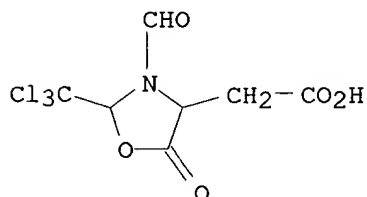
L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-methyl-5-oxo-2,2-bis(trifluoromethyl)-, (4S)-
(9CI)
MF C8 H7 F6 N O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

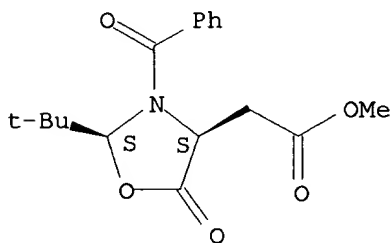
L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2-(trichloromethyl)- (9CI)
MF C7 H6 Cl3 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-benzoyl-2-(1,1-dimethylethyl)-5-oxo-, methyl
ester, (2S-cis)- (9CI)
MF C17 H21 N O5

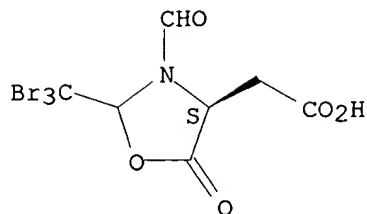
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

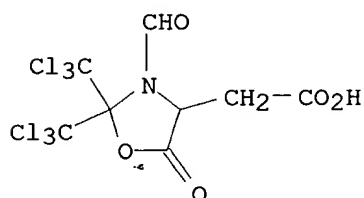
L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2-(tribromomethyl)-, (4S)- (9CI)
MF C7 H6 Br3 N O5

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

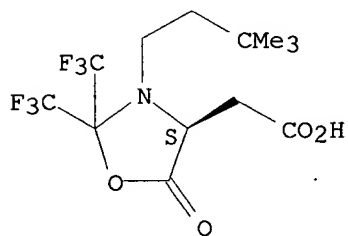
L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2,2-bis(trichloromethyl)- (9CI)
 MF C8 H5 Cl6 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 4-Oxazolidineacetic acid, 3-(3,3-dimethylbutyl)-5-oxo-2,2-bis(trifluoromethyl)-, (4S)- (9CI)
 MF C13 H17 F6 N O4

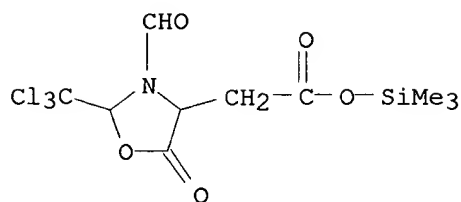
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2-(trichloromethyl)-, trimethylsilyl ester (9CI)

MF C10 H14 Cl3 N O5 Si



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> e 4-Oxazolidineacetic acid, 3-methyl-5-oxo-2,2-bis(trifluoromethyl)-,
(4S)-/cn

E1 1 4-OXAZOLIDINEACETIC ACID,
3-FORMYL-5-OXO-2-(TRICHLOROMETHYL)
-/CN

E2 1 4-OXAZOLIDINEACETIC ACID,
3-FORMYL-5-OXO-2-(TRICHLOROMETHYL)
-, TRIMETHYLSILYL ESTER/CN

E3 1 --> 4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2-BIS(TRIFLUOROME
THYL)-, (4S)-/CN

E4 1 4-OXAZOLIDINEACETIC ACID,
4-((1,1-DIMETHYLETHOXY) CARBONYL)-3
-((1R)-2-METHOXY-1-PHENYLETHYL)-, METHYL ESTER, (4R)-/CN

E5 1 4-OXAZOLIDINEACETIC ACID,
4-METHYL-3-((4-METHYLPHENYL) SULFON
YL)-2-OXO-, METHYL ESTER/CN

E6 1 4-OXAZOLIDINEACETIC ACID,
4-METHYL-5-OXO-2-PHENYL-3-((PHENYL
METHOXY) CARBONYL)-, 1,1-DIMETHYLETHYL ESTER, (2R-TRANS)-/CN

E7 1 4-OXAZOLIDINEACETIC ACID,
4-METHYL-5-OXO-2-PHENYL-3-((PHENYL
METHOXY) CARBONYL)-, 1,1-DIMETHYLETHYL ESTER, (2S-TRANS)-/CN

E8 1 4-OXAZOLIDINEACETIC ACID,
4-METHYL-5-OXO-3-((PHENYLMETHOXY) C
ARBONYL)-/CN

E9 1 4-OXAZOLIDINEACETIC ACID,
5,5-DIMETHYL-3-((4-METHYLPHENYL) SU
LFONYL)-2-OXO-, METHYL ESTER/CN

E10 1 4-OXAZOLIDINEACETIC ACID,
5-(((1,1-DIMETHYLETHYL) DIMETHYLSI
LYL) OXY) METHYL)-2,2-DIMETHYL-3-((PHENYLMETHOXY) CARBONYL)-,

1

, 1-DIMETHYLETHYL ESTER/CN

E11 1 4-OXAZOLIDINEACETIC ACID,
5-(((DIPHENYLPHOSPHINYL) OXY) METHYL
)-2,2-DIMETHYL-3-((PHENYLMETHOXY) CARBONYL)-,

1,1-DIMETHYLETH

YL ESTER/CN

E12 1 4-OXAZOLIDINEACETIC ACID,
5-((1R)-1-iodoethyl)-2-oxo-3-((1R)

-1-PHENYLETHYL)-, (4S,5S)-/CN

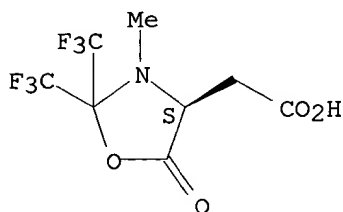
=> e3

L21 1 "4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMETHY
L)-, (4S)-"/CN

=> d 121

L21 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 261943-09-3 REGISTRY
CN 4-Oxazolidineacetic acid, 3-methyl-5-oxo-2,2-bis(trifluoromethyl)-,
(4S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C8 H7 F6 N O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.65	378.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.21

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FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 121

L22 2 L21

=> d 122 1-2 ti fbib abs

L22 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

TI New stereoconservative syntheses of .beta.,.beta.,.beta.- and .gamma.,.gamma.,.gamma.-trifluoro-.alpha.-amino, .alpha.-hydroxy, and .alpha.-mercapto acids and their incorporation into a peptide and depsipeptide fragment

AN 2000:787519 CAPLUS

DN 134:86525

TI New stereoconservative syntheses of .beta.,.beta.,.beta.- and .gamma.,.gamma.,.gamma.-trifluoro-.alpha.-amino, .alpha.-hydroxy, and .alpha.-mercapto acids and their incorporation into a peptide and depsipeptide fragment

AU Schedel, Hartmut; Dmowski, Wojciech; Burger, Klaus

CS Institut fur Organische Chemie, Universitat Leipzig, Leipzig, 04103, Germany

SO Synthesis (2000), (12), 1681-1688

CODEN: SYNTBF; ISSN: 0039-7881

PB Georg Thieme Verlag

DT Journal

LA English

OS CASREACT 134:86525

AB Syntheses of .beta.,.beta.,.beta.- and .gamma.,.gamma.,.gamma.-trifluoro-.alpha.-amino, -.alpha.-hydroxy and -.alpha.-mercapto acids using hexafluoroacetone as the protecting and activating reagent are described. The key step of the syntheses is the transformation of an .omega.-carboxy group into a trifluoromethyl group on treatment with sulfur tetrafluoride.

The carboxy activated species obtained are suitable for direct incorporation into peptide and depsipeptide fragments. RP-HPLC expts.

and

Mosher's TMPA method (1H and 19F) demonstrate that the reaction sequence occurs without racemization.

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

TI A new approach to N-methylaspartic, N-methylglutamic, and N-methyl-.alpha.-aminoadipic acid derivatives

AN 2000:55458 CAPLUS

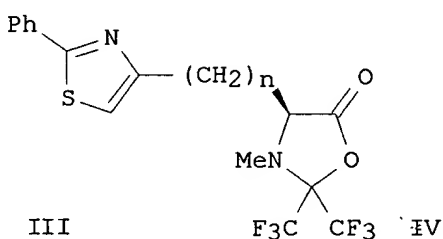
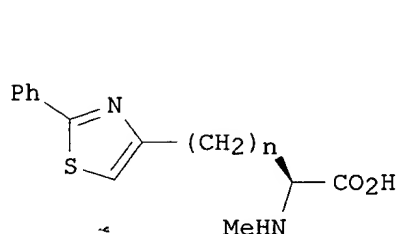
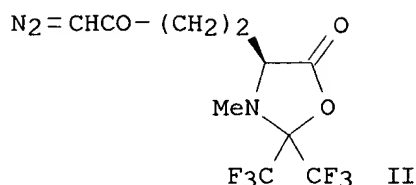
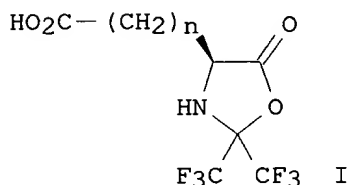
DN 132:237363

TI A new approach to N-methylaspartic, N-methylglutamic, and N-methyl-.alpha.-aminoadipic acid derivatives

AU Burger, Klaus; Spengler, Jan

CS Department of Organic Chemistry, University of Leipzig, Leipzig, D-04103, Germany

SO European Journal of Organic Chemistry (2000), (1), 199-204
 CODEN: EJOCFK; ISSN: 1434-193X
 PB Wiley-VCH Verlag GmbH
 DT Journal
 LA English
 GI



AB N-Methylaspartic and N-methylglutamic acids are obtained by a stereoconservative one-pot procedure from hexafluoroacetone-protected aspartic and glutamic acids I ($n = 1, 2$). L-.alpha.-(Methylamino)adipic acid and its dipeptide deriv., L-.alpha.-(N-methylamino)adipoyl-L-phenylalanine Me ester, are accessible from a glutamate-derived diazoketone II through a Wolff rearrangement. Other .alpha.-amino acids III ($n = 1, 2$) are obtained by the same methods via hexafluoroacetone-protected amino acid derivs. IV ($n = 1, 2$).

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

10.67

389.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.30

-6.51

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:59:53 ON 30 APR 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 09:49:49 ON 30 APR 2003
FILE 'CAPLUS' ENTERED AT 09:49:49 ON 30 APR 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.67	389.59
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.30	-6.51

=> d his

(FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003

L1 5542 OXAZOLIDINONE
L2 143392 ALDEHYDE
L3 580921 AMINO ACID
L4 427 L1 AND L3
L5 50 L2 AND L4
L6 58834 ASPARTIC
L7 0 L5 AND L6
L8 95 NEOTAME
L9 1 L8 AND L1
L10 45 L1 AND L6
L11 17521 N-SUBSTITUTED
L12 91 L6(L)L11
L13 0 L12 AND L1

FILE 'REGISTRY' ENTERED AT 08:34:30 ON 30 APR 2003

L14 STRUCTURE UPLOADED
L15 50 SEARCH L14 SSS SAM
L16 17542 SEARCH L14 SSS FULL
L17 STRUCTURE UPLOADED
L18 2 SEARCH L17 SSS SAM

FILE 'CAPLUS' ENTERED AT 08:39:50 ON 30 APR 2003

L19 2 L18

FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003

L20 9 SEARCH L17 SSS FULL
E 4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMET
L21 1 E3

FILE 'CAPLUS' ENTERED AT 08:51:30 ON 30 APR 2003

L22 2 L21

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
----------------------	------------	-------

	ENTRY	SESSION
FULL ESTIMATED COST	12.34	391.26
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.30	-6.51

FILE 'REGISTRY' ENTERED AT 09:52:04 ON 30 APR 2003
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STRUCTURE FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1
 DICTIONARY FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
 PROPERTIES for more information. See STNote 27, Searching Properties
 in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e neotame/cn

E1	1	NEOTALL F/CN
E2	1	NEOTALL G/CN
E3	1 -->	NEOTAME/CN
E4	1	NEOTAME METHYL ESTER/CN
E5	1	NEOTAN UE 1402/CN
E6	1	NEOTAN UE 3100/CN
E7	1	NEOTARCHOCIN/CN
E8	1	NEOTEBANYL/CN
E9	1	NEOTEBEN/CN
E10	1	NEOTELOMYCIN/CN
E11	1	NEOTEMP/CN
E12	1	NEOTENINE/CN

=> e3

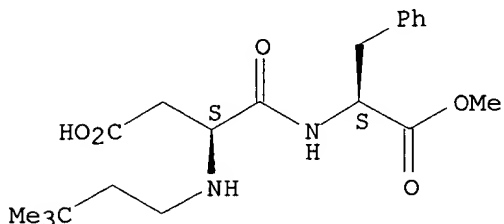
L23 1 NEOTAME/CN

=> d 123

L23 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
 RN 165450-17-9 REGISTRY
 CN L-Phenylalanine, N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl-, 2-methyl
 ester
 (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN L-Phenylalanine, N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-, 1-methyl
 ester
 OTHER NAMES:
 CN **Neotame**

FS STEREOSEARCH
 MF C20 H30 N2 O5
 CI COM
 SR CA
 LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT,
 CBNB, CIN, EMBASE, MRCK*, PROMT, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

105 REFERENCES IN FILE CA (1957 TO DATE)
 11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 105 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> file caplud

'CAPLUD' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'REGISTRY'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> 123

L24 1 NEOTAME/CN

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.52	401.78
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.51

FILE 'CAPLUS' ENTERED AT 09:52:55 ON 30 APR 2003

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FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 123

L25 105 L23

=> d his

(FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003

L1 5542 OXAZOLIDINONE
L2 143392 ALDEHYDE
L3 580921 AMINO ACID
L4 427 L1 AND L3
L5 50 L2 AND L4
L6 58834 ASPARTIC
L7 0 L5 AND L6
L8 95 NEOTAME
L9 1 L8 AND L1
L10 45 L1 AND L6
L11 17521 N-SUBSTITUTED
L12 91 L6(L) L11
L13 0 L12 AND L1

FILE 'REGISTRY' ENTERED AT 08:34:30 ON 30 APR 2003

L14 STRUCTURE UPLOADED
L15 50 SEARCH L14 SSS SAM
L16 17542 SEARCH L14 SSS FULL
L17 STRUCTURE UPLOADED
L18 2 SEARCH L17 SSS SAM

FILE 'CAPLUS' ENTERED AT 08:39:50 ON 30 APR 2003

L19 2 L18

FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003

L20 9 SEARCH L17 SSS FULL
E 4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMET
L21 1 E3

FILE 'CAPLUS' ENTERED AT 08:51:30 ON 30 APR 2003

L22 2 L21

FILE 'REGISTRY' ENTERED AT 09:52:04 ON 30 APR 2003

E NEOTAME/CN
L23 1 E3
L24 1 L23

FILE 'CAPLUS' ENTERED AT 09:52:55 ON 30 APR 2003
L25 105 L23

=> l1 and l25
L26 1 L1 AND L25

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.42	402.20
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-6.51

FILE 'REGISTRY' ENTERED AT 09:53:38 ON 30 APR 2003
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1
DICTIONARY FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNnote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e aspartame/cn

E1	1	ASPARTACTIN (CHICKEN CLONE .LAMBDA.LNR1 PROTEIN MOIETY)/CN
E2	1	ASPARTAM HYDROCHLORIDE/CN
E3	1 -->	ASPARTAME/CN
E4	1	ASPARTAME HEMIHYDRATE/CN
E5	1	ASPARTAME HYDROBROMIDE/CN
E6	1	ASPARTAME HYDROCHLORIDE/CN
E7	1	ASPARTAME SACCHARIN SALT/CN
E8	1	ASPARTAMIC ACID/CN
E9	1	ASPARTAMIDE/CN
E10	1	ASPARTAMIDE, 3-BROMO-N-((1,1-DIMETHYLETHOXY) CARBONYL)-5-HYDR

OXYTYROSYL-N1-(2-(3,5-DICHLORO-4-HYDROXYPHENYL)-1-(HYDROXYME
THYL)ETHYL)-3-HYDROXY-, CYCLIC (15.FWDARW.24)-ETHER/CN
E11 1 ASPARTAMIDE, ALANYLGLUTAMYLHISTIDYLPHENYLALANYLALANYL-/CN
E12 1 ASPARTAMIDE,
D-2-PHENYL-N-((PHENYLMETHOXY) CARBONYL) GLYCYL-N4
-METHYL-N1-(2-OXO-1-SULFO-3-AZETIDINYL)-, MONOSODIUM
SALT/CN

=> e3

L27 1 ASPARTAME/CN

=> d 127

L27 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 22839-47-0 REGISTRY

CN L-Phenylalanine, L-.alpha.-aspartyl-, 2-methyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN L-Phenylalanine, N-L-.alpha.-aspartyl-, 1-methyl ester

CN Succinamic acid, 3-amino-N-(.alpha.-carboxyphenethyl)-, N-methyl ester, stereoisomer (8CI)

OTHER NAMES:

CN .alpha.-L-Aspartyl-L-phenylalanine methyl ester

CN .alpha.-Sweet

CN **Aspartame**

CN Aspartylphenylalanine methyl ester

CN Candereel

CN Dipeptide sweetener

CN E 951

CN L-.alpha.-Aspartyl-L-phenylalanine methyl ester

CN L-Aspartyl-L-3-phenylalanine methyl ester

CN L-Aspartyl-L-phenylalanine methyl ester

CN L-Aspartyl-L-phenylalanyl methyl ester

CN Methyl aspartylphenylalanate

CN NutraSweet

CN Pal Sweet

CN Palsweet Diet

CN Sweet dipeptide

FS STEREOSEARCH

DR 7421-84-3, 172964-81-7, 53906-69-7

MF C14 H18 N2 O5

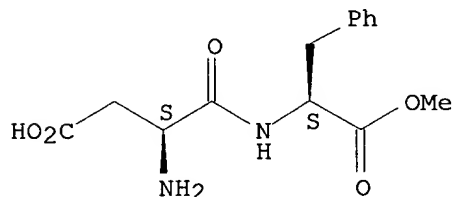
CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PHARMASEARCH, PIRA, PROMT, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2445 REFERENCES IN FILE CA (1957 TO DATE)
67 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2449 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.10	409.30
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-6.51

FILE 'CAPLUS' ENTERED AT 09:55:39 ON 30 APR 2003
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FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003

L1	5542 OXAZOLIDINONE
L2	143392 ALDEHYDE
L3	580921 AMINO ACID
L4	427 L1 AND L3
L5	50 L2 AND L4
L6	58834 ASPARTIC
L7	0 L5 AND L6
L8	95 NEOTAME
L9	1 L8 AND L1
L10	45 L1 AND L6
L11	17521 N-SUBSTITUTED
L12	91 L6(L)L11
L13	0 L12 AND L1

FILE 'REGISTRY' ENTERED AT 08:34:30 ON 30 APR 2003

L14 STRUCTURE UPLOADED
L15 50 SEARCH L14 SSS SAM
L16 17542 SEARCH L14 SSS FULL
L17 STRUCTURE UPLOADED
L18 2 SEARCH L17 SSS SAM

FILE 'CAPLUS' ENTERED AT 08:39:50 ON 30 APR 2003
L19 2 L18

FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003
L20 9 SEARCH L17 SSS FULL
E 4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMET
L21 1 E3

FILE 'CAPLUS' ENTERED AT 08:51:30 ON 30 APR 2003
L22 2 L21

FILE 'REGISTRY' ENTERED AT 09:52:04 ON 30 APR 2003
E NEOTAME/CN
L23 1 E3
L24 1 L23

FILE 'CAPLUS' ENTERED AT 09:52:55 ON 30 APR 2003
L25 105 L23
L26 1 L1 AND L25

FILE 'REGISTRY' ENTERED AT 09:53:38 ON 30 APR 2003
E ASPARTAME/CN
L27 1 E3

FILE 'CAPLUS' ENTERED AT 09:55:39 ON 30 APR 2003

=> 127
L28 2456 L27

=> 11 and 128
L29 4 L1 AND L28

=> d 11 1-4 ti

L1 ANSWER 1 OF 5542 CAPLUS COPYRIGHT 2003 ACS
TI Synthesis and in vivo imaging properties of [¹¹C]befloxatone: A novel
highly potent positron emission tomography ligand for mono-amine
oxidase-A

L1 ANSWER 2 OF 5542 CAPLUS COPYRIGHT 2003 ACS
TI Evaluation of asymmetric Diels-Alder approaches for the synthesis of the
cyclohexene subunit of CP-225,917 and CP-263,114

L1 ANSWER 3 OF 5542 CAPLUS COPYRIGHT 2003 ACS
TI **Oxazolidinone** antibacterial agents: A critical review

L1 ANSWER 4 OF 5542 CAPLUS COPYRIGHT 2003 ACS
TI Have the **oxazolidinones** lived up to their billing? Future
perspectives for this antibacterial class

=> 125 and 128

L30 62 L25 AND L28

=> d 130 42-62 ti

L30 ANSWER 42 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI A method for the preparation of N-neohexyl-.alpha.-aspartyl-L-phenylalanine methyl ester from imidazolidin-4-one intermediates

L30 ANSWER 43 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI N-[n-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine 1-methyl ester synergistic sweetener blends

L30 ANSWER 44 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Cocrystallization of sugar and n-[n-(3,3-dimethylbutyl)-l-.alpha.-aspartyl]-l-phenylalanine 1-methyl ester

L30 ANSWER 45 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI The use of cyclodextrin to stabilize N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine 1-methyl ester

L30 ANSWER 46 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Low-calorie granular sweeteners containing dextrin with high dietary fiber content

L30 ANSWER 47 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Neotame: synthesis, stereochemistry and sweetness

L30 ANSWER 48 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Sweetener compositions

L30 ANSWER 49 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Use of D-tagatose as synergizer and flavour enhancer

L30 ANSWER 50 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Neotame sweetener for dairy products and dairy product substitutes

L30 ANSWER 51 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Neotame-based tabletop sweetener compositions

L30 ANSWER 52 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Neotame-based sweeteners for beverages

L30 ANSWER 53 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Sweetener compositions containing aspartame and aspartame derivatives

L30 ANSWER 54 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Manufacture of mixed crystals comprising aspartame and its derivatives

L30 ANSWER 55 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Use of N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine 1-methyl ester in baked goods, frostings and bakery fillings

L30 ANSWER 56 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Method for separating and purifying aspartame and aspartame derivative

L30 ANSWER 57 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Process for the purification of aspartame derivative

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS	3	Feb 06	Engineering Information Encompass files have new names
NEWS	4	Feb 16	TOXLINE no longer being updated
NEWS	5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS	6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS	7	May 07	DGENE Reload
NEWS	8	Jun 20	Published patent applications (A1) are now in USPATFULL
NEWS	9	JUL 13	New SDI alert frequency now available in Derwent's DWPI and DPCI
NEWS	10	Aug 23	In-process records and more frequent updates now in MEDLINE
NEWS	11	Aug 23	PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS	12	Aug 23	Adis Newsletters (ADISNEWS) now available on STN
NEWS	13	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	14	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS	15	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	16	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	17	Oct 22	Over 1 million reactions added to CASREACT
NEWS	18	Oct 22	DGENE GETSIM has been improved
NEWS	19	Oct 29	AAASD no longer available
NEWS	20	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS	21	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS	22	Nov 29	COPPERLIT now available on STN
NEWS	23	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS	24	Nov 30	Files VETU and VETB to have open access
NEWS EXPRESS			August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

L30 ANSWER 58 OF 62 CAPLUS COPYRIGHT 2003 ACS
 TI Purification and recovery of N-(3,3-dimethylbutyl)-.alpha.-L-aspartyl-L-phenylalanine methyl ester as sweetener

L30 ANSWER 59 OF 62 CAPLUS COPYRIGHT 2003 ACS
 TI Sweetener for improving taste

L30 ANSWER 60 OF 62 CAPLUS COPYRIGHT 2003 ACS
 TI Method for preparing and purifying an N-alkylated aspartame derivative

L30 ANSWER 61 OF 62 CAPLUS COPYRIGHT 2003 ACS
 TI Improved method for the preparation of an aspartame-derived compound useful as a sweetener

L30 ANSWER 62 OF 62 CAPLUS COPYRIGHT 2003 ACS
 TI New dipeptide derivatives and analogs useful as sweetening agents, and process for their preparation

=> d 130 46 ti fbib abs

L30 ANSWER 46 OF 62 CAPLUS COPYRIGHT 2003 ACS
 TI Low-calorie granular sweeteners containing dextrin with high dietary fiber

content

AN 2000:89198 CAPLUS

DN 132:136662

TI Low-calorie granular sweeteners containing dextrin with high dietary fiber

content

IN Okuma, Kazuhiro; Chii, Yasuhiro; Katsuta, Yasuo

PA Matsutani Kagaku Kogyo Kaisha, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 2000037169	A2	20000208	JP 1998-208869	19980724
				JP 1998-208869	19980724

AB The sweeteners, which show good flowability, storage stability, and taste,

comprise particles, in which each particle contains highly-sweet sweetening agents such as aspartame, stevia, glycyrrhizin, somatin, etc., and dextrin with dietary fiber content .gtoreq.30% as extenders. Pine Fiber C (dextrin contg. 80/4% dietary fiber with 0.61 kcal/g) was spray-coated with an aq. soln of SK Sweet Z (stevia), dried at

45.degree.,

and then cooled to give low-calorie granular sweetener with sweetness similar to that of sugar.

=> d 130 21-41 ti

L30 ANSWER 21 OF 62 CAPLUS COPYRIGHT 2003 ACS
 TI Preparation of nicotine salts with improved taste for use as smoking cessation agents

L30 ANSWER 22 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Synthesis of
N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine-
1-methyl ester by reductive alkylation and crystallization/isolation in
aqueous methanol

L30 ANSWER 23 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Process for making granulated
N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-
L-phenylalanine 1-methyl ester

L30 ANSWER 24 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Release of lipophilic active agents from chewing gum base of hydrophilic
polymers

L30 ANSWER 25 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Solid mixture of food contents and food additives, procedures for its
production and use of the same.

L30 ANSWER 26 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Responses of the ant lasius niger to various compounds perceived as sweet
in humans: A structure-activity relationship study

L30 ANSWER 27 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Pharmaceutical compositions containing neotame

L30 ANSWER 28 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Personal care compositions containing N-[N-(3,3-dimethylbutyl)-L-.alpha.-
aspartyl]-L-phenylalanine methyl ester

L30 ANSWER 29 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Process for coating N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-
phenylalanine 1-methyl ester onto a carrier

L30 ANSWER 30 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Confectionery food products sweetened with N-[N-(3,3-dimethylbutyl)-L-
.alpha.-aspartyl]-L-phenylalanine methyl ester

L30 ANSWER 31 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Process for the preparation of 3,3-dimethylbutanal

L30 ANSWER 32 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Use of additives to modify the taste characteristics of
N-neohexyl-.alpha.-aspartyl-L-phenylalanine methyl ester

L30 ANSWER 33 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Nutraceuticals having N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-
phenylalanine 1-methyl ester

L30 ANSWER 34 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of free-flowing neotame by extrusion and spheronization

L30 ANSWER 35 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Manufacture of edible gels sweetened with neotame

L30 ANSWER 36 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Cereals and cereal-based food sweetened with neotame

L30 ANSWER 37 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Investigation of Polymorphism in Aspartame and Neotame Using Solid-State NMR Spectroscopy

L30 ANSWER 38 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI N-[N-(3,3-Dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine 1-methyl ester agglomerate

L30 ANSWER 39 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Use of N-neohexyl-.alpha.-aspartyl-L-phenylalanine methyl ester as a flavor modifier

L30 ANSWER 40 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Chewing gum containing medicament active agents

L30 ANSWER 41 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Improved release of medicament active agents from a chewing gum coating

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	21.84	431.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-7.16

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:03:35 ON 30 APR 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 10:48:59 ON 30 APR 2003
FILE 'CAPLUS' ENTERED AT 10:48:59 ON 30 APR 2003
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	21.84	431.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-7.16

=> d his logoff hold

'LOGOFF' IS NOT VALID HERE

For an explanation, enter "HELP DISPLAY HISTORY".

=> d his

(FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003

L1 5542 OXAZOLIDINONE
L2 143392 ALDEHYDE
L3 580921 AMINO ACID
L4 427 L1 AND L3
L5 50 L2 AND L4
L6 58834 ASPARTIC
L7 0 L5 AND L6
L8 95 NEOTAME
L9 1 L8 AND L1
L10 45 L1 AND L6
L11 17521 N-SUBSTITUTED
L12 91 L6(L)L11
L13 0 L12 AND L1

FILE 'REGISTRY' ENTERED AT 08:34:30 ON 30 APR 2003

L14 STRUCTURE UPLOADED
L15 50 SEARCH L14 SSS SAM
L16 17542 SEARCH L14 SSS FULL
L17 STRUCTURE UPLOADED
L18 2 SEARCH L17 SSS SAM

FILE 'CAPLUS' ENTERED AT 08:39:50 ON 30 APR 2003

L19 2 L18

FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003

L20 9 SEARCH L17 SSS FULL
E 4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMET
L21 1 E3

FILE 'CAPLUS' ENTERED AT 08:51:30 ON 30 APR 2003

L22 2 L21

FILE 'REGISTRY' ENTERED AT 09:52:04 ON 30 APR 2003

E NEOTAME/CN
L23 1 E3
L24 1 L23

FILE 'CAPLUS' ENTERED AT 09:52:55 ON 30 APR 2003

L25 105 L23
L26 1 L1 AND L25

FILE 'REGISTRY' ENTERED AT 09:53:38 ON 30 APR 2003

E ASPARTAME/CN
L27 1 E3

FILE 'CAPLUS' ENTERED AT 09:55:39 ON 30 APR 2003

L28 2456 L27
L29 4 L1 AND L28
L30 62 L25 AND L28

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST	22.26	431.56
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-7.16

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:49:34 ON 30 APR 2003

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Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEx enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS	28	Mar 20	EVENTLINE will be removed from STN
NEWS	29	Mar 24	PATDPAFULL now available on STN
NEWS	30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	31	Apr 11	Display formats in DGENE enhanced

NEWS 32 Apr 14 MEDLINE Reload
 NEWS 33 Apr 17 Polymer searching in REGISTRY enhanced
 NEWS 34 Apr 21 Indexing from 1947 to 1956 being added to records in
 CA/CAPLUS
 NEWS 35 Apr 21 New current-awareness alert (SDI) frequency in
 WPIDS/WPINDEX/WPIX
 NEWS 36 Apr 28 RDISCLOSURE now available on STN

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
 MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
 specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:50:39 ON 30 APR 2003

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 11:50:48 ON 30 APR 2003

FILE 'HOME' ENTERED AT 07:02:47 ON 05 DEC 2001

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.60

0.60

FILE 'REGISTRY' ENTERED AT 07:05:02 ON 05 DEC 2001

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STRUCTURE FILE UPDATES: 3 DEC 2001 HIGHEST RN 373353-24-3

DICTIONARY FILE UPDATES: 3 DEC 2001 HIGHEST RN 373353-24-3

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
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Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STN Note 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e N-(3,3-dimethylbutyl)-L-aspartic acid/cn

E1 1 N-(3,3-DIMETHYLALLYL)DIHYDRONORMORPHINONE DIETHYLCARBAMATE
(

ESTER), MONOTARTRATE/CN

E2 1 N-(3,3-DIMETHYLALLYL)NORDESOMORPHINE/CN

E3 0 --> N-(3,3-DIMETHYLBUTYL)-L-ASPARTIC ACID/CN

E4 1 N-(3,3-DIMETHYLBUTYL)-N'-PHENYL-P-PHENYLENEDIAMINE/CN

E5 1 N-(3,3-DIMETHYLBUTYL)ISOQUINOLINIUM IODIDE/CN

E6 1 N-(3,3-DIMETHYLBUTYL)PENTYLAMINE/CN

E7 1 N-(3,3-DIMETHYLBUTYL)PHTHALIMIDE/CN

E8 1 N-(3,3-DIMETHYLBUTYL)PIPERAZINE/CN

E9 1 N-(3,3-DIMETHYLBUTYRYL)-L-SERINE METHYL ESTER/CN

E10 1 N-(3,3-DIMETHYLCYCLOPENTYL)PYRROLIDINE/CN

E11 1

N-(3,3-DIPHENYL-2-PROPENYL)-N-(1-METHYL-2-PHENYLETHYL)-1-.BE

TA.-D-GLUCOPYRANOSYLAMINE/CN

E12 1 N-(3,3-DIPHENYLPROPIONYL)PIPERAZINE/CN

=> e N-(3,3-dimethyl-butyl)-L-aspartic acid/cn

E1 1 N-(3,3-DIMETHOXYPROPYL)FORMAMIDE/CN

E2 1 N-(3,3-DIMETHYL-2-BUTYL)TETRACHLOROPHTHALIMIDE/CN

E3 0 --> N-(3,3-DIMETHYL-BUTYL)-L-ASPARTIC ACID/CN

E4 1 N-(3,3-DIMETHYLACRYLOYL)-N-DEACETYLLAPPACONITINE/CN

E5 1 N-(3,3-DIMETHYLACRYLOYL)PUBERANIDINE/CN

E6 1 N-(3,3-DIMETHYLACRYLYL)GLYCINE/CN

E7 1 N-(3,3-DIMETHYLALLYL)-N-DEMETHYLDEXTROMETHORPHAN/CN

E8 1 N-(3,3-DIMETHYLALLYL)-N-DEMETHYLDEXTROMETHORPHAN

HYDROCHLORI

DE/CN

E9 1 N-(3,3-DIMETHYLALLYL)-N-DEMETHYLLEVOMETHORPHAN/CN

E10 1 N-(3,3-DIMETHYLALLYL)-N-METHYLANILINE/CN
 E11 1 N-(3,3-DIMETHYLALLYL)ANILINE/CN
 E12 1 N-(3,3-DIMETHYLALLYL)DIHYDRO-14-HYDROXYNORMORPHINE/CN

=> e N-(3,3-dimethyl-butyl)-aspartic acid/cn

E1 1 N-(3,3-DIMETHOXYPROPYL)FORMAMIDE/CN
 E2 1 N-(3,3-DIMETHYL-2-BUTYL)TETRACHLOROPHTHALIMIDE/CN
 E3 0 --> N-(3,3-DIMETHYL-BUTYL)-ASPARTIC ACID/CN
 E4 1 N-(3,3-DIMETHYLACRYLOYL)-N-DEACETYLLAPPACONITINE/CN
 E5 1 N-(3,3-DIMETHYLACRYLOYL)PUBERANIDINE/CN
 E6 1 N-(3,3-DIMETHYLACRYLYL)GLYCINE/CN
 E7 1 N-(3,3-DIMETHYLALLYL)-N-DEMETHYLDEXTROMETHORPHAN/CN
 E8 1 N-(3,3-DIMETHYLALLYL)-N-DEMETHYLDEXTROMETHORPHAN
 HYDROCHLORI

DE/CN
 E9 1 N-(3,3-DIMETHYLALLYL)-N-DEMETHYLLEVOMETHORPHAN/CN
 E10 1 N-(3,3-DIMETHYLALLYL)-N-METHYLANILINE/CN
 E11 1 N-(3,3-DIMETHYLALLYL)ANILINE/CN
 E12 1 N-(3,3-DIMETHYLALLYL)DIHYDRO-14-HYDROXYNORMORPHINE/CN

=> e N-(3,3-dimethyl-butyl)-aspartic acid/cnfile caplus

'CAPLUS' IS NOT VALID HERE

For an explanation of the EXPAND command, enter "HELP EXPAND" at an arrow prompt (=>).

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.55	2.15

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=> neotame

L1 58 NEOTAME

=> oxazolidinone

3984 OXAZOLIDINONE

1473 OXAZOLIDINONES

L2 4371 OXAZOLIDINONE

(OXAZOLIDINONE OR OXAZOLIDINONES)

=> l1 and l2

L3 0 L1 AND L2

=>

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

3.76

5.91

FILE 'STNGUIDE' ENTERED AT 07:08:53 ON 05 DEC 2001

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Nov 30, 2001 (20011130/UP).

=>

NAME

CREATED

NOTES/TITLE

INDIUMCL3/A

30 MAY 2001

1 ANSWER IN FILE REGISTRY

LTWENTAUGFOR/A

04 AUG 2001

72 ANSWERS IN FILE CAPLUS

MEKINHIB/A

TEMP

5 ANSWERS IN FILE CAPLUS

NEOALDE/A

TEMP

14 ANSWERS IN FILE CAPLUS

NEOSRCH/L

TEMP

9 L-NUMBERS

NEOTAME/A

TEMP

71 ANSWERS IN FILE CAPLUS

NEOTAMECRYST/A

24 APR 2001

59 ANSWERS IN FILE CAPLUS

NVLARMFULGEN/A

19 APR 2001

196 ANSWERS IN FILE REGISTRY

POHBENZALDEH/A

10 JUL 2001

5519 ANSWERS IN FILE CAPLUS

PROSTACMPD15/A

01 AUG 2001

34 ANSWERS IN FILE CAPLUS

TWOAMINOPOLY/Q

16 APR 2001

UPLOADED STRUCTURE

=>

NO SAVED SDI REQUESTS

=>

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.00

5.91

FILE 'CAPLUS' ENTERED AT 07:12:08 ON 05 DEC 2001

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FILE LAST UPDATED: 3 Dec 2001 (20011203/ED)

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=>

L4 (1)SEA FILE=REGISTRY ABB=ON PLU=ON NEOTAME/CN
L5 71 SEA FILE=CAPLUS ABB=ON PLU=ON L4

=> l5 and l2

L6 0 L5 AND L2

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.30	7.21

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:14:23 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:23:29 ON 05 DEC 2001
FILE 'CAPLUS' ENTERED AT 07:23:29 ON 05 DEC 2001
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.30	7.21

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
----------------------	------------	-------

FULL ESTIMATED COST

ENTRY	SESSION
1.95	7.86

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TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

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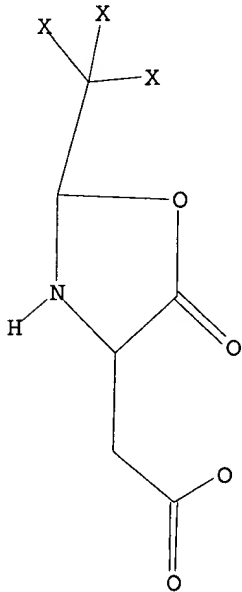
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Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STN Note 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
Uploading 09859439 oxazolidinone generic.str

L7 STRUCTURE UPLOADED

=> d 17
L7 HAS NO ANSWERS
L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 17
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:sample

SAMPLE SEARCH INITIATED 07:25:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8 TO 329
PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> search l7
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 07:26:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 150 TO ITERATE

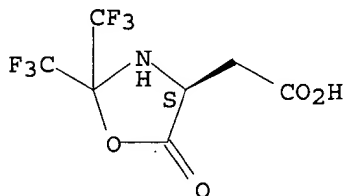
100.0% PROCESSED 150 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

L9 9 SEA SSS FUL L7

=> d scan

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-, (4S)- (9CI)
MF C7 H5 F6 N O4

Absolute stereochemistry.

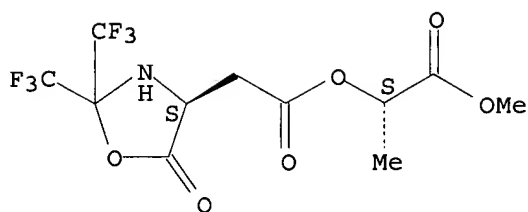


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):9

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-,
2-methoxy-1-methyl-2-oxoethyl ester, [S-(R*,R*)]- (9CI)
MF C11 H11 F6 N O6

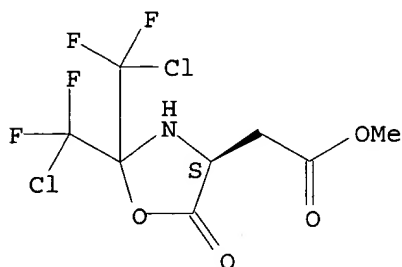
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

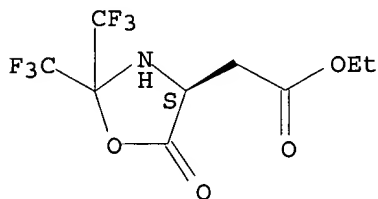
L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 4-Oxazolidineacetic acid, 2,2-bis(chlorodifluoromethyl)-5-oxo-, methyl
 ester, (S)- (9CI)
 MF C8 H7 Cl2 F4 N O4

Absolute stereochemistry.



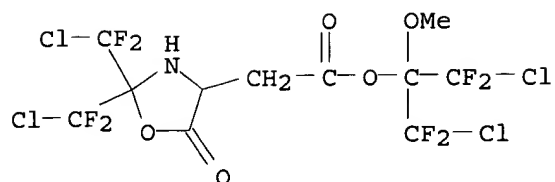
L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-, ethyl ester,
 (S)- (9CI)
 MF C9 H9 F6 N O4

Absolute stereochemistry.



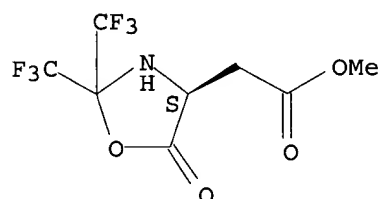
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 4-Oxazolidineacetic acid, 2,2-bis(chlorodifluoromethyl)-5-oxo-,
 2-chloro-1-(chlorodifluoromethyl)-2,2-difluoro-1-methoxyethyl ester (9CI)
 MF C11 H7 Cl4 F8 N O5



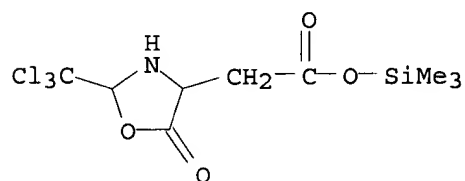
L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-, methyl ester,
 (S)- (9CI)
 MF C8 H7 F6 N O4

Absolute stereochemistry.



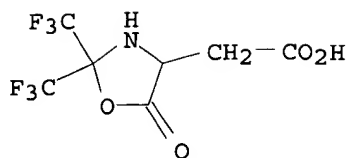
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 4-Oxazolidineacetic acid, 5-oxo-2-(trichloromethyl)-, trimethylsilyl
 ester
 (9CI)
 MF C9 H14 Cl3 N O4 Si



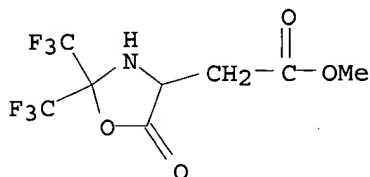
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)- (9CI)
 MF C7 H5 F6 N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-, methyl ester
 (7CI, 8CI)
 MF C8 H7 F6 N O4



ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

134.49

142.35

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=> l9

L10 14 L9

=> d l9 1-14 ti

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> d l10 1-14 ti

L10 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI New stereoconservative syntheses of .beta.,.beta.,.beta.- and .gamma.,.gamma.,.gamma.-trifluoro-.alpha.-amino, .alpha.-hydroxy, and .alpha.-mercapto acids and their incorporation into a peptide and depsi-peptide fragment

L10 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI No-carrier-added radiosynthesis of [18F]fluoroarginine as a lead structure for potential radiopharmaceutical for probing nitric oxide synthetase activity

L10 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI A new approach to N-methylaspartic, N-methylglutamic, and N-methyl-.alpha.-aminoadipic acid derivatives

L10 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI An efficient, stereoselective synthesis of (-)-bulgecinine from (S)-aspartic acid

L10 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI Preparation of aspartyl-D-alanine N-(thietan-3-yl)amides (alitam).

L10 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 19. An efficient approach to the family of 4-substituted pipecolic acids. Syntheses of 4-oxo-, cis-4-hydroxy-, and trans-4-hydroxy-L-pipecolic acids from L-aspartic acid

L10 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 17. An efficient synthesis of 5-hydroxy-4-oxo-L-norvaline from L-aspartic acid

L10 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI Hexafluoroacetone as protecting group and activating reagent in amino acid and peptide chemistry. XI. A new simple preparative access to 2,5-dioxopiperazines and 2,5-dioxomorpholines

L10 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Regiospecific reactions with .omega.-carboxy-.alpha.-amino acids. Part
III. Aspartic acid

L10 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI A new, preparatively simple way to dihydroorotic acid,
1-methyl-4,5-dihydroorotic acid and their derivatives

L10 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Regiospecific reactions with .omega.-carboxy .alpha.-amino acids. A
simple
synthesis of aspartame

L10 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Negative ion chemical ionization mass spectra of .alpha.-amino acid
oxazolidinone derivatives

L10 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Mass spectra of .alpha.-amino acid oxazolidinones

L10 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Synthesis of 2-trichloromethyl-5-oxazolidinones by the reaction of
chloral
with N,O-trimethylsilyl derivatives of amino acids

=> aspartame

2535 ASPARTAME

6 ASPARTAMES

L11 2535 ASPARTAME
(ASPARTAME OR ASPARTAMES)

=> l11 and l10

L12 1 L11 AND L10

=> d l12 ti fbib abs

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS
TI Regiospecific reactions with .omega.-carboxy .alpha.-amino acids. A
simple

synthesis of **aspartame**

AN 1991:24570 CAPLUS

DN 114:24570

TI Regiospecific reactions with .omega.-carboxy .alpha.-amino acids. A
simple

synthesis of **aspartame**

AU Burger, Klaus; Rudolph, Martin

CS Inst. Org. Chem., Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.

SO Chem.-Ztg. (1990), 114(7-8), 249-51

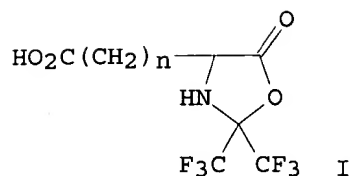
CODEN: CMKZAT; ISSN: 0009-2894

DT Journal

LA German

OS CASREACT 114:24570

GI



AB The cyclocondensation of $\text{HO}_2\text{C}(\text{CH}_2)_n\text{CH}(\text{NH}_2)\text{CO}_2\text{H}$ ($n = 1, 2, 3$) with $(\text{CF}_3)_2\text{CO}$ in DMSO gave oxazolidinones I. I ($n = 1$) was treated with H-Phe-OMe in Et₂O to give H-Asp-Phe-OMe (**aspartame**).

=> toluensul?

L13 116 TOLUENSUL?

=> toluenesul?

L14 35584 TOLUENESUL?

=> l14 and l10

L15 0 L14 AND L10

=> acid

3033237 ACID

1190563 ACIDS

L16 3459943 ACID

(ACID OR ACIDS)

=> l10 and l16

L17 14 L10 AND L16

=> d l12 3,6,7,8,9,10,14 ti fbib abs

1 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE

The answer numbers requested are not in the answer set.

ENTER ANSWER NUMBER OR RANGE (1):end

=> d l12 3,6,7,8,9,10,14 ti fbib abs

1 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE

The answer numbers requested are not in the answer set.

ENTER ANSWER NUMBER OR RANGE (1):end

=> d l10 3,6,7,8,9,10,14 ti fbib abs

L10 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI A new approach to N-methylaspartic, N-methylglutamic, and N-methyl-.alpha.-aminoadipic acid derivatives

AN 2000:55458 CAPLUS

DN 132:237363

TI A new approach to N-methylaspartic, N-methylglutamic, and N-methyl-.alpha.-aminoadipic acid derivatives

AU Burger, Klaus; Spengler, Jan

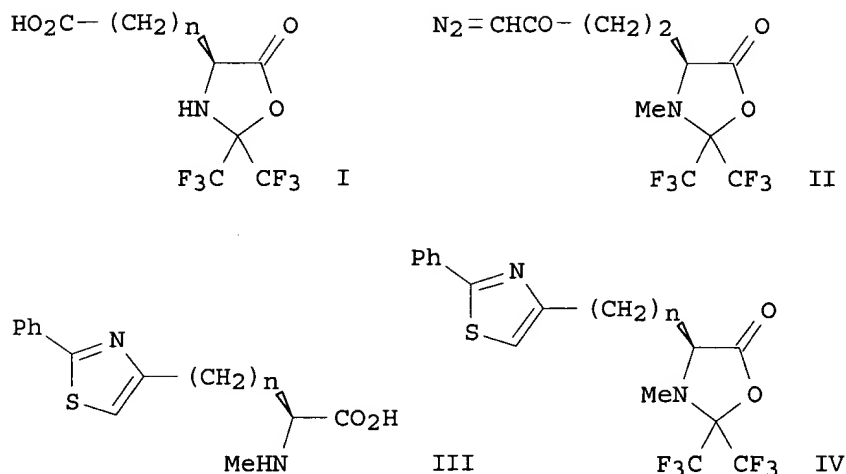
CS Department of Organic Chemistry, University of Leipzig, Leipzig, D-04103, Germany

SO Eur. J. Org. Chem. (2000), (1), 199-204

CODEN: EJOCFK; ISSN: 1434-193X

PB Wiley-VCH Verlag GmbH

DT Journal
LA English
GI



AB N-Methylaspartic and N-methylglutamic acids are obtained by a stereoconservative one-pot procedure from hexafluoroacetone-protected aspartic and glutamic acids I ($n = 1, 2$). L-.alpha.-(Methylamino)adipic acid and its dipeptide deriv., L-.alpha.-(N-methylamino)adipoyl-L-phenylalanine Me ester, are accessible from a glutamate-derived diazoketone II through a Wolff rearrangement. Other .alpha.-amino acids III ($n = 1, 2$) are obtained by the same methods via hexafluoroacetone-protected amino acid derivs. IV ($n = 1, 2$).

RE.CNT 37

RE

- (2) Balkenhohl, F; Angew Chem Int Ed 1996, V35, P2288 CAPLUS
- (4) Bhatt, U; Tetrahedron Lett 1997, V38, P3679 CAPLUS
- (5) Bowman, W; Tetrahedron 1997, V53, P15787 CAPLUS
- (6) Burger, K; Chem-Ztg 1990, V114, P249 CAPLUS
- (7) Burger, K; Synthesis 1992, P1145 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 19. An efficient approach to the family of 4-substituted pipecolic acids. Syntheses of 4-oxo-, cis-4-hydroxy-, and trans-4-hydroxy-L-pipecolic acids from L-aspartic acid

AN 1995:476973 CAPLUS

DN 123:112661

TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 19. An efficient approach to the family of 4-substituted pipecolic acids. Syntheses of 4-oxo-, cis-4-hydroxy-, and trans-4-hydroxy-L-pipecolic acids from L-aspartic acid

AU Golubev, Alexander; Sewald, Norbert; Burger, Klaus

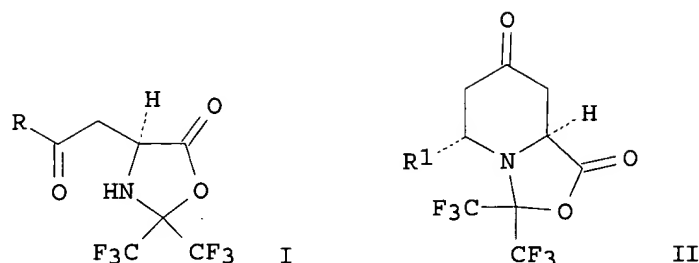
CS Institut fuer Organische Chemie, Universitaet Leipzig, Leipzig, D-04103, Germany

SO Tetrahedron Lett. (1995), 36(12), 2037-40

CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA English
 OS CASREACT 123:112661
 GI



AB Syntheses of 4-oxo-, cis-4-hydroxy-, and trans-4-hydroxy-L-pipecolic acids

from L-aspartic acid using hexafluoroacetone as protecting reagent are described. Combination of a Stille cross-coupling reaction of protected aspartyl chloride I (R = Cl) and vinylstannanes gave enones I (R = H₂C:CH,

MeCH:CH) which underwent subsequent Lewis acid catalyzed intramol.

Michael

addn. to give protected 4-oxo-L-pipecolic acid or trans-6-methyl-4-oxo-L-pipecolic acid derivs. II (R₁ = H, Me). Borohydride redn. of II (R = H) gives the corresponding cis-4-hydroxy-L-pipecolic acid.

Trans-4-hydroxy-L-pipecolic acid is obtained in good yield via Mitsunobu inversion of the cis isomer.

L10 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 17. An efficient synthesis of 5-hydroxy-4-oxo-L-norvaline from L-aspartic acid

AN 1994:107667 CAPLUS

DN 120:107667

TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 17. An efficient synthesis of 5-hydroxy-4-oxo-L-norvaline from L-aspartic acid

AU Golubev, Alexander; Sewald, Norbert; Burger, Klaus

CS Org. Chem. Inst. Tech., Univ. Muenchen, Garching, D-85747, Germany

SO Tetrahedron Lett. (1993), 34(37), 5879-80

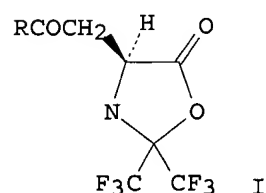
CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA English

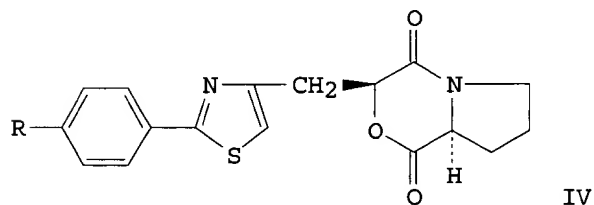
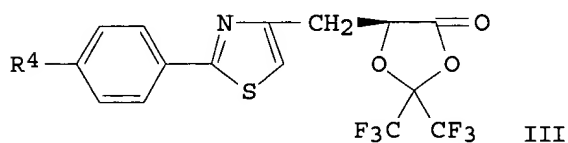
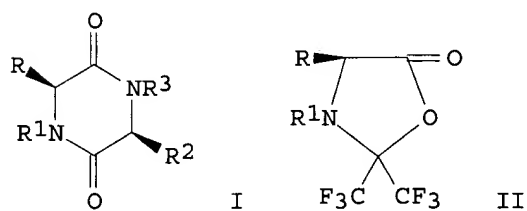
OS CASREACT 120:107667

GI



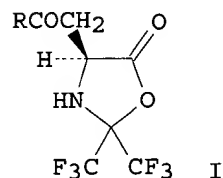
AB A synthesis of the antibiotic (-)-HON (5-hydroxy-4-oxo-L-norvaline, RI-331) from L-aspartic acid using hexafluoroacetone as protecting reagent is described. Thus, cyclocondensation of hexafluoroacetone and aspartic acid gave oxazolidonone I ($R = HO$), which is converted to diazoketone I ($R = N_2CH$) via the acid chloride and further reacted with formic acid to give homologated formate ester I ($R = HCO_2CH_2$), which gave the title compd. on acidic hydrolysis.

L10 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2001 ACS
 TI Hexafluoroacetone as protecting group and activating reagent in amino acid and peptide chemistry. XI. A new simple preparative access to 2,5-dioxopiperazines and 2,5-dioxomorpholines
 AN 1993:626381 CAPLUS
 DN 119:226381
 TI Hexafluoroacetone as protecting group and activating reagent in amino acid and peptide chemistry. XI. A new simple preparative access to 2,5-dioxopiperazines and 2,5-dioxomorpholines
 AU Burger, K.; Rudolph, M.; Windeisen, E.; Worku, A.; Fehn, S.
 CS Org.-Chem. Inst., Tech. Univ. Muenchen, Garching, W-8046, Germany
 SO Monatsh. Chem. (1993), 124(4), 453-63
 CODEN: MOCMB7; ISSN: 0026-9247
 DT Journal
 LA German
 OS CASREACT 119:226381
 GI



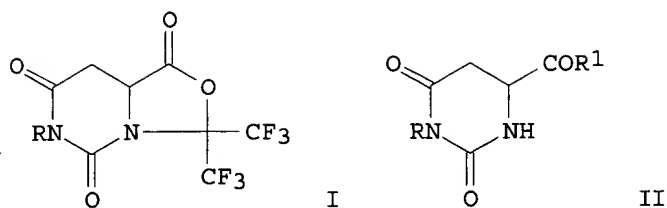
AB 2,5-Dioxopiperazines I [R = R2 = Me, CH2C6H4OH-4, CH2OH, CHMeOH, R1 = R3 = H; R = R2 = H, R1 = R3 = Me; RR1 = R2R3 = (CH2)3] were obtained by dimerizing the oxazolidines II in MeOH at room temp. I (R, R2 = different amino acid residues, R1, R3 = H) were obtained from II and R3NHCHR2CO2Me. The dioxolanes III (R4 = Me, F, Cl) similarly gave the morpholines IV.

L10 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2001 ACS
 TI Regiospecific reactions with .omega.-carboxy-.alpha.-amino acids. Part III. Aspartic acid
 AN 1991:450250 CAPLUS
 DN 115:50250
 TI Regiospecific reactions with .omega.-carboxy-.alpha.-amino acids. Part III. Aspartic acid
 AU Burger, Klaus; Gold, Manuel; Neuhauser, Horst; Rudolph, Martin
 CS Inst. Org. Chem., Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.
 SO Chem.-Ztg. (1991), 115(3), 77-82
 CODEN: CMKZAT; ISSN: 0009-2894
 DT Journal
 LA German
 OS CASREACT 115:50250
 GI



AB Regiospecific syntheses of .alpha.- and .beta.-carboxylic acid derivs. as well as unsym. substituted .alpha.,.beta.-dicarboxylic acid derivs. of aspartic acid can be achieved via intermediates I (R = OH, Cl). I (R = OH) is obtained in high yield on reaction of aspartic acid with (CF3)2CO, I (R = Cl) on reaction of I (R = OH) with SOCl2.

L10 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2001 ACS
 TI A new, preparatively simple way to dihydroorotic acid, 1-methyl-4,5-dihydroorotic acid and their derivatives
 AN 1991:61976 CAPLUS
 DN 114:61976
 TI A new, preparatively simple way to dihydroorotic acid, 1-methyl-4,5-dihydroorotic acid and their derivatives
 AU Burger, Klaus; Neuhauser, Horst; Rudolph, Martin
 CS Inst. Org. Chem., Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.
 SO Chem.-Ztg. (1990), 114(7-8), 251-5
 CODEN: CMKZAT; ISSN: 0009-2894
 DT Journal
 LA German
 OS CASREACT 114:61976
 GI



AB 4-(Carboxymethyl)-2,2-bis(trifluoromethyl)oxazolidin-5-one, obtained on reaction of aspartic acid with hexafluoroacetone, reacts with chlorosulfonyl isocyanate to yield a bicyclic oxazolidinone I (R = H), which on treatment with diazomethane can be N-methylated to give I (R = Me). I are carboxy group-activated derivs. of dihydroorotic acids II (R = H, Me; R1 = OH), resp. Aminolysis of I gave II (R1 = alkylamino). Esterification of I gave II (R1 = alkoxy).

L10 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2001 ACS

TI Synthesis of 2-trichloromethyl-5-oxazolidinones by the reaction of chloral

with N,O-trimethylsilyl derivatives of amino acids

AN 1979:87335 CAPLUS

DN 90:87335

TI Synthesis of 2-trichloromethyl-5-oxazolidinones by the reaction of chloral

with N,O-trimethylsilyl derivatives of amino acids

AU Davidovich, Yu. A.; Pavlova, L. A.; Volkonskii, A. Yu.; Rogozhin, S. V.

CS Inst. Elementoorg. Soedin., Moscow, USSR

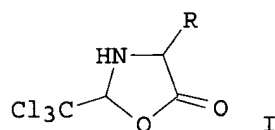
SO Khim. Geterotsikl. Soedin. (1978), (11), 1472-3

CODEN: KGSSAQ; ISSN: 0453-8234

DT Journal

LA Russian

GI



AB The title compds. I (R = PhCH₂, MeSCH₂CH₂, Me₂CHCH₂, Me₃SiO₂CCH₂, Me₃SiO₂CCH₂CH₂) were prepd. in 54-98% yields by cyclocondensation of Me₃SiNHCHRCO₂SiMe₃ with Cl₃CCHO.

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PASSWORD:

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FULL ESTIMATED COST	38.49	180.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.70	-4.70

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	38.49	180.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.70	-4.70

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Please note that search-term pricing does apply when
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Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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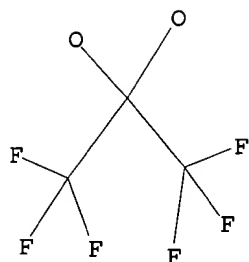
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L18 STRUCTURE UPLOADED

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L18 HAS NO ANSWERS

L18 STR



Structure attributes must be viewed using STN Express query preparation.

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ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:sample

SAMPLE SEARCH INITIATED 07:50:35 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 37 TO ITERATE

100.0% PROCESSED 37 ITERATIONS

27 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 376 TO 1104

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L19 27 SEA SSS SAM L18

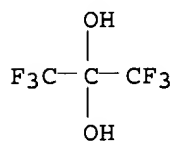
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L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS

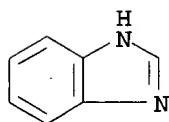
IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with benzimidazole (1:1)
(8CI)

MF C7 H6 N2 . C3 H2 F6 O2

CM 1



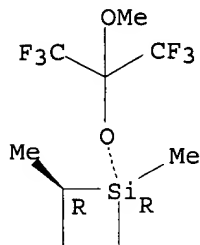
CM 2



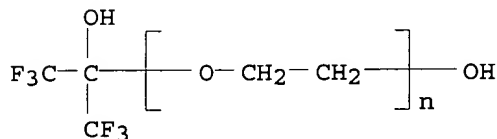
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Silacyclobutane, 1,2-dimethyl-1-[2,2,2-trifluoro-1-methoxy-1-(trifluoromethyl)ethoxy]-, trans- (9CI)
MF C9 H14 F6 O2 Si

Relative stereochemistry.

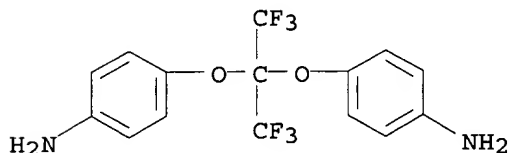


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Poly(oxy-1,2-ethanediyl), .alpha.-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]-.omega.-hydroxy- (9CI)
MF (C2 H4 O)n C3 H2 F6 O2
CI PMS

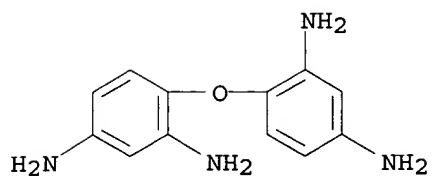


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,3-Isobenzofurandione, 5,5'-oxybis-, polymer with 4,4'-oxybis[1,3-benzenediamine], 5,5'-(1,1,3,3-tetramethyl-1,3-disiloxanediyl)bis[1,3-isobenzofurandione] and 4,4'-[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis(oxy)]bis[benzenamine] (9CI)
MF (C20 H18 O7 Si2 . C16 H6 O7 . C15 H12 F6 N2 O2 . C12 H14 N4 O)x
CI PMS

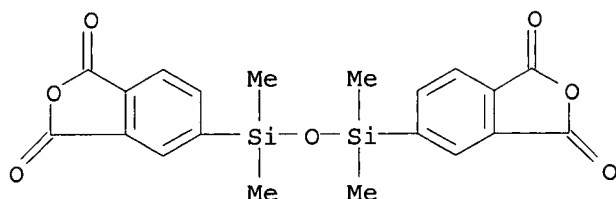
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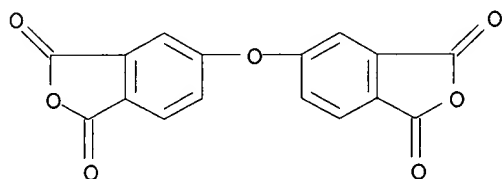
CM 2



CM 3

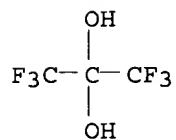


CM 4

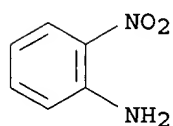


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with 2-nitrobenzenamine
 (1:1) (9CI)
 MF C6 H6 N2 O2 . C3 H2 F6 O2

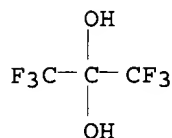
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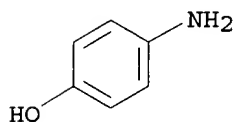
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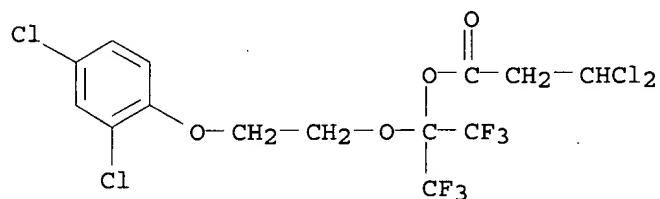
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with 4-aminophenol (1:1)
 (9CI)
 MF C6 H7 N O . C3 H2 F6 O2
 CM 1



CM 2



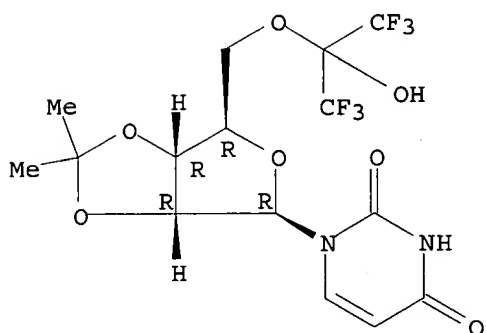
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Propionic acid, 3,3-dichloro-, 1-[2-(2,4-dichlorophenoxy)ethoxy]-2,2,2-trifluoro-1-(trifluoromethyl)ethyl ester (8CI)
 MF C14 H10 Cl4 F6 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

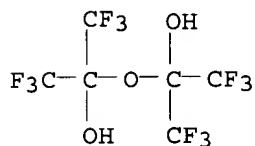
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Uridine, 2',3'-O-(1-methylethylidene)-5'-O-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]- (9CI)
 MF C15 H16 F6 N2 O7

Absolute stereochemistry.



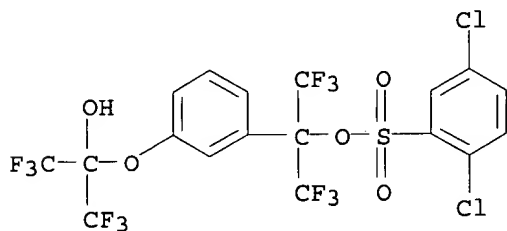
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2-Propanol, 2,2'-oxybis[1,1,1,3,3,3-hexafluoro- (9CI)
 MF C6 H2 F12 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Benzenesulfonic acid, 2,5-dichloro-,
 2,2,2-trifluoro-1-[3-[2,2,2-trifluoro-
 1-hydroxy-1-(trifluoromethyl)ethoxy]phenyl]-1-(trifluoromethyl)ethyl
 ester
 (9CI)
 MF C18 H8 Cl2 F12 O5 S

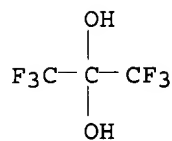


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L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with N-methylmethanamine
(1:1) (9CI)
MF C3 H2 F6 O2 . C2 H7 N

CM 1



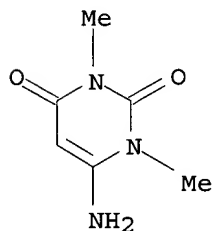
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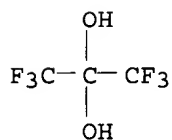
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with
6-amino-1,3-dimethyl-
2,4(1H,3H)-pyrimidinedione (1:1) (9CI)
MF C6 H9 N3 O2 . C3 H2 F6 O2

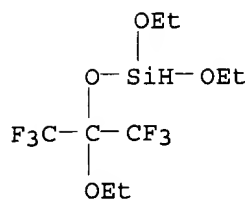
CM 1



CM 2

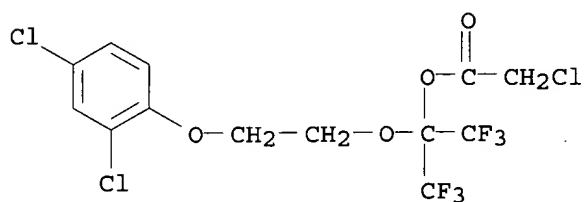


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Silane, diethoxy[1-ethoxy-2,2,2-trifluoro-1-(trifluoromethyl)ethoxy] -
(8CI)
MF C9 H16 F6 O4 Si



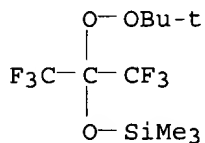
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Acetic acid, chloro-,
 1-[2-(2,4-dichlorophenoxy)ethoxy]-2,2,2-trifluoro-1-
 (trifluoromethyl)ethyl ester (8CI)
 MF C13 H9 Cl3 F6 O4



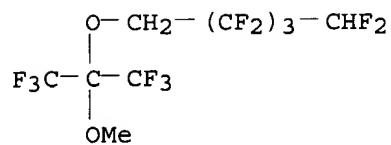
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Silane, [1-[(1,1-dimethylethyl)dioxy]-2,2,2-trifluoro-1-
 (trifluoromethyl)ethoxy]trimethyl- (9CI)
 MF C10 H18 F6 O3 Si



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

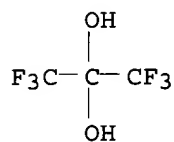
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Pentane, 1,1,2,2,3,3,4,4-octafluoro-5-[2,2,2-trifluoro-1-methoxy-1-
 (trifluoromethyl)ethoxy]- (9CI)
 MF C9 H6 F14 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

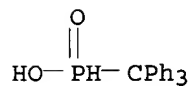
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Phosphinic acid, (triphenylmethyl)-, compd. with 1,1,1,3,3,3-hexafluoro-
 2,2-propanediol and pyridine (3:2:3) (9CI)
 MF C19 H17 O2 P . C5 H5 N . 3/2 C3 H2 F6 O2

CM 1

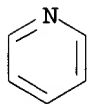


CM 2

CM 3

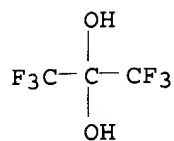


CM 4

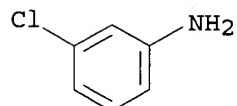


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with 3-chlorobenzenamine
 (1:1) (9CI)
 MF C6 H6 Cl N . C3 H2 F6 O2

CM 1

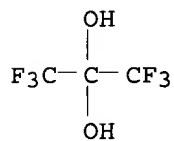


CM 2

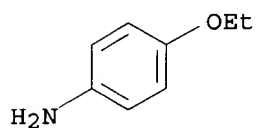


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with 4-ethoxybenzenamine
 (1:1) (9CI)
 MF C8 H11 N O . C3 H2 F6 O2

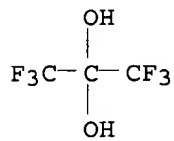
CM 1



CM 2

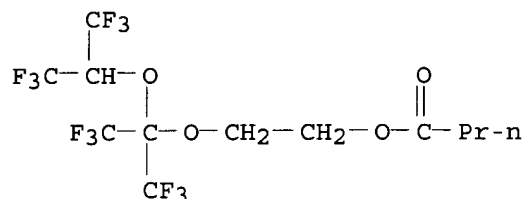


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, monocation salt (8CI)
 MF C3 H2 F6 O2 . Cs



● Cs

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Butyric acid,
 2-[2,2,2-trifluoro-1-(trifluoromethyl)-1-[2,2,2-trifluoro-1-
 (trifluoromethyl)ethoxy]ethoxy]ethyl ester (8CI)
 MF C12 H12 F12 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.55	182.39
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.70

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 07:52:53 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'REGISTRY' AT 08:31:21 ON 05 DEC 2001
 FILE 'REGISTRY' ENTERED AT 08:31:21 ON 05 DEC 2001
 COPYRIGHT (C) 2001 American Chemical Society (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.55	182.39
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.70

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.55	182.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-4.70

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:31:29 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'REGISTRY' AT 08:58:06 ON 05 DEC 2001

FILE 'REGISTRY' ENTERED AT 08:58:06 ON 05 DEC 2001

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.55

182.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-4.70

=>

Uploading 09859439 hexafluoroacetone ketals.str

L20 STRUCTURE UPLOADED

=>

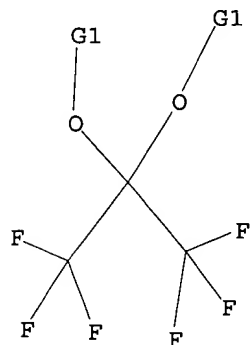
Uploading 09859439 hexafluoroacetone ketals.str

L21 STRUCTURE UPLOADED

=> d l21

L21 HAS NO ANSWERS

L21 STR



G1 Me,Et

Structure attributes must be viewed using STN Express query preparation.

=> search l21

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:sampl
SAMPLE SEARCH INITIATED 09:00:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 36 TO ITERATE

100.0% PROCESSED 36 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 361 TO 1079
PROJECTED ANSWERS: 0 TO 0

L22 0 SEA SSS SAM L21

=> search l21
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 09:01:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 623 TO ITERATE

100.0% PROCESSED 623 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.02

L23 3 SEA SSS FUL L21

=> d can
'CAN' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of numeric properties
PROP - Same as CALC

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

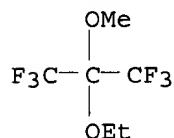
For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ENTER DISPLAY FORMAT (IDE):end

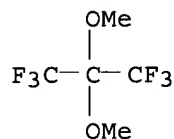
=> d scan

L23 3 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Propane, 2-ethoxy-1,1,1,3,3,3-hexafluoro-2-methoxy- (9CI)
MF C6 H8 F6 O2



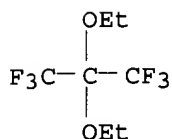
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L23 3 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Propane, 1,1,1,3,3,3-hexafluoro-2,2-dimethoxy- (9CI)
MF C5 H6 F6 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L23 3 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Propane, 2,2-diethoxy-1,1,1,3,3,3-hexafluoro- (9CI)
MF C7 H10 F6 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	136.66	317.50
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.70

FILE 'CAPLUS' ENTERED AT 09:01:43 ON 05 DEC 2001
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1947 - 5 Dec 2001 VOL 135 ISS 24
 FILE LAST UPDATED: 3 Dec 2001 (20011203/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAPLUS now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

Attention, the CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

=> 123

L24

9 L23

=> d his

(FILE 'HOME' ENTERED AT 07:02:47 ON 05 DEC 2001)

FILE 'REGISTRY' ENTERED AT 07:05:02 ON 05 DEC 2001
E N-(3,3-DIMETHYLBUTYL)-L-ASPARTIC ACID/CN
E N-(3,3-DIMETHYL-BUTYL)-L-ASPARTIC ACID/CN
E N-(3,3-DIMETHYL-BUTYL)-ASPARTIC ACID/CN

FILE 'CAPLUS' ENTERED AT 07:07:53 ON 05 DEC 2001

L1 58 NEOTAME
L2 4371 OXAZOLIDINONE
L3 0 L1 AND L2

FILE 'STNGUIDE' ENTERED AT 07:08:53 ON 05 DEC 2001

FILE 'CAPLUS' ENTERED AT 07:12:08 ON 05 DEC 2001
ACT NEOTAME/A

L4 (1)SEA FILE=REGISTRY ABB=ON PLU=ON NEOTAME/CN
L5 71 SEA FILE=CAPLUS ABB=ON PLU=ON L4
L6 0 L5 AND L2

FILE 'REGISTRY' ENTERED AT 07:24:33 ON 05 DEC 2001

L7 STRUCTURE UPLOADED
L8 0 SEARCH L7 SSS SAMPLE
L9 9 SEARCH L7 SSS FULL

FILE 'CAPLUS' ENTERED AT 07:27:10 ON 05 DEC 2001

L10 14 L9
L11 2535 ASPARTAME
L12 1 L11 AND L10
L13 116 TOLUENSUL?
L14 35584 TOLUENESUL?
L15 0 L14 AND L10
L16 3459943 ACID
L17 14 L10 AND L16

FILE 'REGISTRY' ENTERED AT 07:50:01 ON 05 DEC 2001

L18 STRUCTURE UPLOADED
L19 27 SEARCH L18 SSS SAMPLE
L20 STRUCTURE UPLOADED
L21 STRUCTURE UPLOADED
L22 0 SEARCH L21 SSS SAMPL
L23 3 SEARCH L21 SSS FULL

FILE 'CAPLUS' ENTERED AT 09:01:43 ON 05 DEC 2001

L24 9 L23

=> l2 and l24

L25 0 L2 AND L24

=> d l24 1-9 ti

L24 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2001 ACS
TI Fluoroethers as cleaning solvents, solvent compositions containing
alcohols, and their use in removing oily soil and water

L24 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2001 ACS

TI Olefin oligomerization catalyst and process for the preparation of olefin oligomers

L24 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2001 ACS

TI Olefin polymerization catalyst components for polymers with high molecular

weight and relatively wide molecular weight distribution

L24 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2001 ACS

TI Catalyst components for the polymerization of olefins

L24 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2001 ACS

TI Olefin polymerization catalyst components

L24 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2001 ACS

TI Catalyst component for the polymerization of olefins and process for preparing olefin polymers using it

L24 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2001 ACS

TI Anesthetizing fluoro methoxy alkanes

L24 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2001 ACS

TI Anesthetizing composition

L24 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2001 ACS

TI Aliphatic ether compounds as inhalation anesthetics

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

3.43

320.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-4.70

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:03:13 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'CAPLUS' AT 09:21:54 ON 05 DEC 2001

FILE 'CAPLUS' ENTERED AT 09:21:54 ON 05 DEC 2001

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

3.43

320.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-4.70

=> d his

(FILE 'HOME' ENTERED AT 07:02:47 ON 05 DEC 2001)

FILE 'REGISTRY' ENTERED AT 07:05:02 ON 05 DEC 2001

E N-(3,3-DIMETHYLBUTYL)-L-ASPARTIC ACID/CN
E N-(3,3-DIMETHYL-BUTYL)-L-ASPARTIC ACID/CN
E N-(3,3-DIMETHYL-BUTYL)-ASPARTIC ACID/CN

FILE 'CAPLUS' ENTERED AT 07:07:53 ON 05 DEC 2001

L1 58 NEOTAME
L2 4371 OXAZOLIDINONE
L3 0 L1 AND L2

FILE 'STNGUIDE' ENTERED AT 07:08:53 ON 05 DEC 2001

FILE 'CAPLUS' ENTERED AT 07:12:08 ON 05 DEC 2001
ACT NEOTAME/A

L4 (1)SEA FILE=REGISTRY ABB=ON PLU=ON NEOTAME/CN
L5 71 SEA FILE=CAPLUS ABB=ON PLU=ON L4
L6 0 L5 AND L2

FILE 'REGISTRY' ENTERED AT 07:24:33 ON 05 DEC 2001

L7 STRUCTURE UPLOADED
L8 0 SEARCH L7 SSS SAMPLE
L9 9 SEARCH L7 SSS FULL

FILE 'CAPLUS' ENTERED AT 07:27:10 ON 05 DEC 2001

L10 14 L9
L11 2535 ASPARTAME
L12 1 L11 AND L10
L13 116 TOLUENSUL?
L14 35584 TOLUENESUL?
L15 0 L14 AND L10
L16 3459943 ACID
L17 14 L10 AND L16

FILE 'REGISTRY' ENTERED AT 07:50:01 ON 05 DEC 2001

L18 STRUCTURE UPLOADED
L19 27 SEARCH L18 SSS SAMPLE
L20 STRUCTURE UPLOADED
L21 STRUCTURE UPLOADED
L22 0 SEARCH L21 SSS SAMPL
L23 3 SEARCH L21 SSS FULL

FILE 'CAPLUS' ENTERED AT 09:01:43 ON 05 DEC 2001

L24 9 L23
L25 0 L2 AND L24

=> save temp all oazo/l

L# LIST L1-L25 HAS BEEN SAVED AS 'OAZO/L'

=> save temp l9 l9/a

L9/A IS NOT A VALID SAVED NAME

Enter the name you wish to use for the saved query,
answer set, or L-number list. The name must:

1. Begin with a letter,
2. Have 1-12 characters,
3. Contain only letters (A-Z) and numbers (0-9),
4. End with /Q for a query (search profile,

structure, or screen set), /A for an answer set, or /L for an L-number list.

5. Not already be in use as a saved name,
6. Not be END, SAV, SAVE, SAVED
7. Not have the form of an L-number (Lnnn).

ENTER NAME OR (END):elnine
 ELNINE IS NOT A VALID SAVED NAME
 Enter the name you wish to use for the saved query, answer set, or L-number list. The name must:

1. Begin with a letter,
2. Have 1-12 characters,
3. Contain only letters (A-Z) and numbers (0-9),
4. End with /Q for a query (search profile, structure, or screen set), /A for an answer set, or /L for an L-number list.
5. Not already be in use as a saved name,
6. Not be END, SAV, SAVE, SAVED
7. Not have the form of an L-number (Lnnn).

ENTER NAME OR (END):elnine/a
 ANSWER SET NOT SAVED.
 THE ANSWER SET WAS CREATED IN FILE 'REGISTRY'.
 USE THE FILE COMMAND TO CHANGE TO THE CORRECT FILE.
 Answer sets must be saved in the same file in which they were created.

=> save temp l10 eten/a
 ANSWER SET L10 HAS BEEN SAVED AS 'ETEN/A'

=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	6.69	324.19
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.70

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 09:27:48 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x
 LOGINID:sssptal623paz
 PASSWORD:
 TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Dec 17 The CA Lexicon available in the CAPLUS and CA files
NEWS	3	Feb 06 Engineering Information Encompass files have new names
NEWS	4	Feb 16 TOXLINE no longer being updated
NEWS	5	Apr 23 Search Derwent WPINDEX by chemical structure
NEWS	6	Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS	7	May 07 DGENE Reload
NEWS	8	Jun 20 Published patent applications (A1) are now in USPATFULL
NEWS	9	JUL 13 New SDI alert frequency now available in Derwent's

DWPI and DPCI

NEWS 10 Aug 23 In-process records and more frequent updates now in MEDLINE

NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA

NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN

NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH

NEWS 14 Oct 09 Korean abstracts now included in Derwent World Patents Index

NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased

NEWS 16 Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File

NEWS 17 Oct 22 Over 1 million reactions added to CASREACT

NEWS 18 Oct 22 DGENE GETSIM has been improved

NEWS 19 Oct 29 AAASD no longer available

NEWS 20 Nov 19 New Search Capabilities USPATFULL and USPAT2

NEWS 21 Nov 19 TOXCENTER(SM) - new toxicology file now available on STN

NEWS 22 Nov 29 COPPERLIT now available on STN

NEWS 23 Nov 29 DWPI revisions to NTIS and US Provisional Numbers

NEWS 24 Nov 30 Files VETU and VETB to have open access

NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:12:24 ON 05 DEC 2001

=>

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'STNGUIDE' ENTERED AT 13:12:37 ON 05 DEC 2001

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Nov 30, 2001 (20011130/UP).

=>

NAME	CREATED	NOTES/TITLE
-----	-----	-----

ETEN/A	TEMP	14 ANSWERS IN FILE CAPLUS
INDIUMCL3/A	30 MAY 2001	1 ANSWER IN FILE REGISTRY
LTWENTAUGFOR/A	04 AUG 2001	72 ANSWERS IN FILE CAPLUS
MEKINHIB/A	TEMP	5 ANSWERS IN FILE CAPLUS
NEOALDE/A	TEMP	14 ANSWERS IN FILE CAPLUS
NEOSRCH/L	TEMP	9 L-NUMBERS
NEOTAME/A	TEMP	71 ANSWERS IN FILE CAPLUS
NEOTAMECRYST/A	24 APR 2001	59 ANSWERS IN FILE CAPLUS
NVLARMFULGEN/A	19 APR 2001	196 ANSWERS IN FILE REGISTRY
OAZO/L	TEMP	25 L-NUMBERS
POHBENZALDEH/A	10 JUL 2001	5519 ANSWERS IN FILE CAPLUS
PROSTACMPD15/A	01 AUG 2001	34 ANSWERS IN FILE CAPLUS
TWOAMINOPOLY/Q	16 APR 2001	UPLOADED STRUCTURE

=>

NO SAVED SDI REQUESTS

=>

L1 (	58)	SEA FILE=CAPLUS ABB=ON	PLU=ON	NEOTAME
L2 (	4371)	SEA FILE=CAPLUS ABB=ON	PLU=ON	OXAZOLIDINONE
L3 (	0)	SEA FILE=CAPLUS ABB=ON	PLU=ON	L1 AND L2
L4 (	1)	SEA FILE=REGISTRY ABB=ON	PLU=ON	NEOTAME/CN
L5 (	71)	SEA FILE=CAPLUS ABB=ON	PLU=ON	L4
L6 (	0)	SEA FILE=CAPLUS ABB=ON	PLU=ON	L5 AND L2
L7		STR		
L8 (	0)	SEA FILE=REGISTRY SSS SAM	L7	
L9 (	9)	SEA FILE=REGISTRY SSS FUL	L7	
L10 (	14)	SEA FILE=CAPLUS ABB=ON	PLU=ON	L9
L11 (	2535)	SEA FILE=CAPLUS ABB=ON	PLU=ON	ASPARTAME
L12 (	1)	SEA FILE=CAPLUS ABB=ON	PLU=ON	L11 AND L10
L13 (	116)	SEA FILE=CAPLUS ABB=ON	PLU=ON	TOLUENSUL?
L14 (	35584)	SEA FILE=CAPLUS ABB=ON	PLU=ON	TOLUENESUL?
L15 (	0)	SEA FILE=CAPLUS ABB=ON	PLU=ON	L14 AND L10
L16 (	3459943)	SEA FILE=CAPLUS ABB=ON	PLU=ON	ACID
L17 (	14)	SEA FILE=CAPLUS ABB=ON	PLU=ON	L10 AND L16
L18		STR		
L19 (	27)	SEA FILE=REGISTRY SSS SAM	L18	
L20		STR		
L21		STR		
L22 (	0)	SEA FILE=REGISTRY SSS SAM	L21	
L23 (	3)	SEA FILE=REGISTRY SSS FUL	L21	
L24 (	9)	SEA FILE=CAPLUS ABB=ON	PLU=ON	L23
L25 (	0)	SEA FILE=CAPLUS ABB=ON	PLU=ON	L2 AND L24

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.00

0.15

FILE 'CAPLUS' ENTERED AT 13:15:24 ON 05 DEC 2001

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FILE COVERS 1947 - 5 Dec 2001 VOL 135 ISS 24
FILE LAST UPDATED: 3 Dec 2001 (20011203/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAPLUS now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA LEXICON is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

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=> amino acid

783075 AMINO
36 AMINOS
783091 AMINO
(AMINO OR AMINOS)
3033237 ACID
1190563 ACIDS
3459943 ACID
(ACID OR ACIDS)
L26 520593 AMINO ACID
(AMINO(W)ACID)

=> 12 and 126

3984 OXAZOLIDINONE
1473 OXAZOLIDINONES
4371 OXAZOLIDINONE
(OXAZOLIDINONE OR OXAZOLIDINONES)
L27 376 L2 AND L26

=> aetal or ketal

1 AETAL
1 AETALS
2 AETAL
(AETAL OR AETALS)
8658 KETAL
3412 KETALS
10224 KETAL
(KETAL OR KETALS)
L28 10226 AETAL OR KETAL

=> 128 and 127

L29 0 L28 AND L27

=> acetal

36233 ACETAL
16822 ACETALS

L30 43602 ACETAL
(ACETAL OR ACETALS)

=> l30 or l28

L31 51536 L30 OR L28

=> l27 and l31

L32 11 L27 AND L31

=> ?toluenesulf?

L33 36154 ?TOLUENESULF?

=> l32 and l33

L34 0 L32 AND L33

=> d l32 1-11 ti

L32 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2001 ACS

TI Crystallization-induced asymmetric transformations and self-regeneration of stereocenters (SROSC): enantiospecific synthesis of .alpha.-benzylalanine and hydantoin BIRT-377

L32 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2001 ACS

TI Formation of oxazolidin-5-ones from (L)-alanine and the use as chiral templates in the synthesis of .alpha.,.alpha.-disubstituted **amino acids**-a mechanistic study

L32 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2001 ACS

TI Synthesis of .alpha.-methyl,.alpha.-substituted **amino acids**

L32 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2001 ACS

TI 5,5-Dialkoxy-2-**oxazolidinones** and their preparation as intermediates for .alpha.-**amino acid** esters

L32 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2001 ACS

TI 4-Alkyl-2-(trichloromethyl)oxazolidin-5-ones. Valuable precursors to enantiomerically pure C- and N-protected .alpha.-alkylprolines

L32 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2001 ACS

TI New methodology for the synthesis of .alpha.,.alpha.-dialkylamino acids using the "self-regeneration of stereocenters" method: .alpha.-ethyl-.alpha.-phenylglycine

L32 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2001 ACS

TI Preparation of .alpha.-branched phenylalanines and of 1,1-disubstituted ethylenediamines via chiral imidazolidinones and **oxazolidinones** of glycine - preparative and mechanistic aspects

L32 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2001 ACS

TI Preparation of peptides as immunosuppressants

L32 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2001 ACS

TI Aluminoxyl **acetals** from .alpha.-amino esters: chirality transfer via sequential addition of hydride and C-nucleophiles. 2-Amino alcohols and sphingosines

L32 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2001 ACS

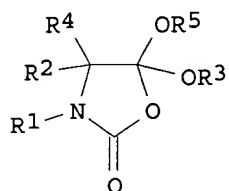
TI Brominations of cyclic **acetals** from .alpha.-**amino acids** and .alpha.- or .beta.-hydroxy acids with N-bromosuccinimide

L32 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2001 ACS
 TI N,O-Acetals from pivalaldehyde and amino acids
 for the .alpha.-alkylation with self-reproduction of the center of
 chirality. Enolates of 3-benzoyl-2-(tert-butyl)-1,3-oxazolidin-5-ones

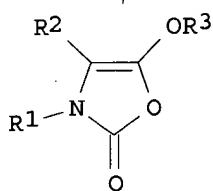
=> d l32 4 ti fbib abs

L32 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2001 ACS
 TI 5,5-Dialkoxy-2-oxazolidinones and their preparation as
 intermediates for .alpha.-amino acid esters
 AN 2000:23714 CAPLUS
 DN 132:78548
 TI 5,5-Dialkoxy-2-oxazolidinones and their preparation as
 intermediates for .alpha.-amino acid esters
 IN Miyata, Hiroshi; Honma, Takashi; Yamamoto, Yasuhito; Ataka, Kikuo;
 Satake,
 Nobuya
 PA Ube Industries, Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 64 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000007666	A2	20000111	JP 1999-59953	19990308
				JP 1998-110642	19980421
OS	CASREACT 132:78548; MARPAT 132:78548				
GI					



I



II

AB 5,5-Dialkoxy-2-oxazolidinones I [R1 = H, (substituted) C1-10
 alkyl, (substituted) C3-10 cycloalkyl, (substituted) Ph, (substituted)
 C2-10 alkenyl; R2 = H, (substituted) C1-10 alkyl, (substituted) Ph,
 (substituted) C2-10 alkenyl; R3 = (substituted) C1-10 alkyl,
 (substituted)
 C3-10 cycloalkyl, (substituted) Ph, (substituted) C2-10 alkenyl
 (excluding
 2-alkenyl); R4 = H, CHR6(OR7); R5 = (substituted) C1-10 alkyl,
 (substituted) C3-10 cycloalkyl, (substituted) Ph, (substituted) C2-10
 alkenyl; R6 = H, (substituted) C1-10 alkyl, (substituted) C2-10
 alkenyl, (substituted) Ph; R7 = (substituted) C1-10 alkyl, (substituted) C3-10
 cycloalkyl, (substituted) Ph, (substituted) C2-10 alkenyl; R5R7 may form
 a
 C-C bond] are prep'd. by reaction of 5-alkoxy-2(3H)-oxazolones II (R1-R3 =
 same as above) with R4OR5 (R4, R5 = same as above) in the presence of
 catalysts. .alpha.-Amino acid esters R1NHCR2R4CO2R3
 or R1NHCR2R4CO2R5 (R1-R5 = same as above), useful for pharmaceuticals,
 agrochems., or their intermediates, are prep'd. by hydrolysis of I in the
 presence of protonic acid. Reaction of 3-diphenylmethyl-5-methoxy-2(3H)-

oxazolone with benzaldehyde di-Me **acetal** in CH₂Cl₂ the presence of trimethylsilyl triflate gave (4R,1'S), (4S,1'R)-3-diphenylmethyl-4-(1-methoxy-1-phenylmethyl)-5,5-dimethoxy-2-**oxazolidinone**, which was hydrolyzed in aq. HCl/MeOH to give N-diphenylmethyl-.beta.-methoxyphenylalanine Me ester.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

19.96

20.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.59

-0.59

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:22:41 ON 05 DEC 2001